

PWR READ List

Last	First	Park/Unit	Profession	Overhead READ	Line READ
Acree	Marty	YOSE	Restoration Work Leader		
Allen	Sarah	PORE	Science Advisor		
Arguello	Leonel	REDW	Supervisory Botanist	Yes	Yes

Beatty	Sue	YOSE	Resource Management	
Boyers	Laurel	YOSE	Wilderness Coordinator	
Brigham	Christy	SAMO	Restoration Ecologist	
Buhler	Monica	YOSE	Fire Effects Crew Supervisor	
Bush	Kelly	NOCA	Wilderness District Ranger	
Caprio	Tony	SEKI	Fire Ecologist	
Chaney	Sarah	CHIS	Restoration Ecologist	
Conca	Dave	OLYM	Archeologist	
Cooper	Kim	PORE	Biological Technician	
Cunningham-Summerfield	Ben	YOSE	Interpretive Ranger	
Dethlefs	Brandon	YOSE	Lead Forestry Technician	
Dougherty	Dennis	HAVO	Archeologist	Yes

Dueser	Curt	LAME	Resource Management Specialist	
Faulkner	Kate	CHIS	Natural Resource Management Chief	
Fauth	Gregg	SEKI	Wilderness Coordinator	
Fincher	Mark	YOSE	Wilderness Specialist	
Fisher	Timothy	BIHO	Park Ranger	
Forrestel	Alison	PORE	Fire Ecologist	Yes
Forrestel	Alison	PORE	Fire Ecologist	Yes
Foster	Dan	WICA	Resource Management Chief	Yes





Cultural Resources



Joe Svinarich-WHIS
ARCHEOLOGIST (FIRE)
Quals: REAF, ARCH, BACS,
 National BAER Team
 member
Physical: Arduous



Vegetation/Weeds



Alison Forrestel-PORE

FIRE ECOLOGIST

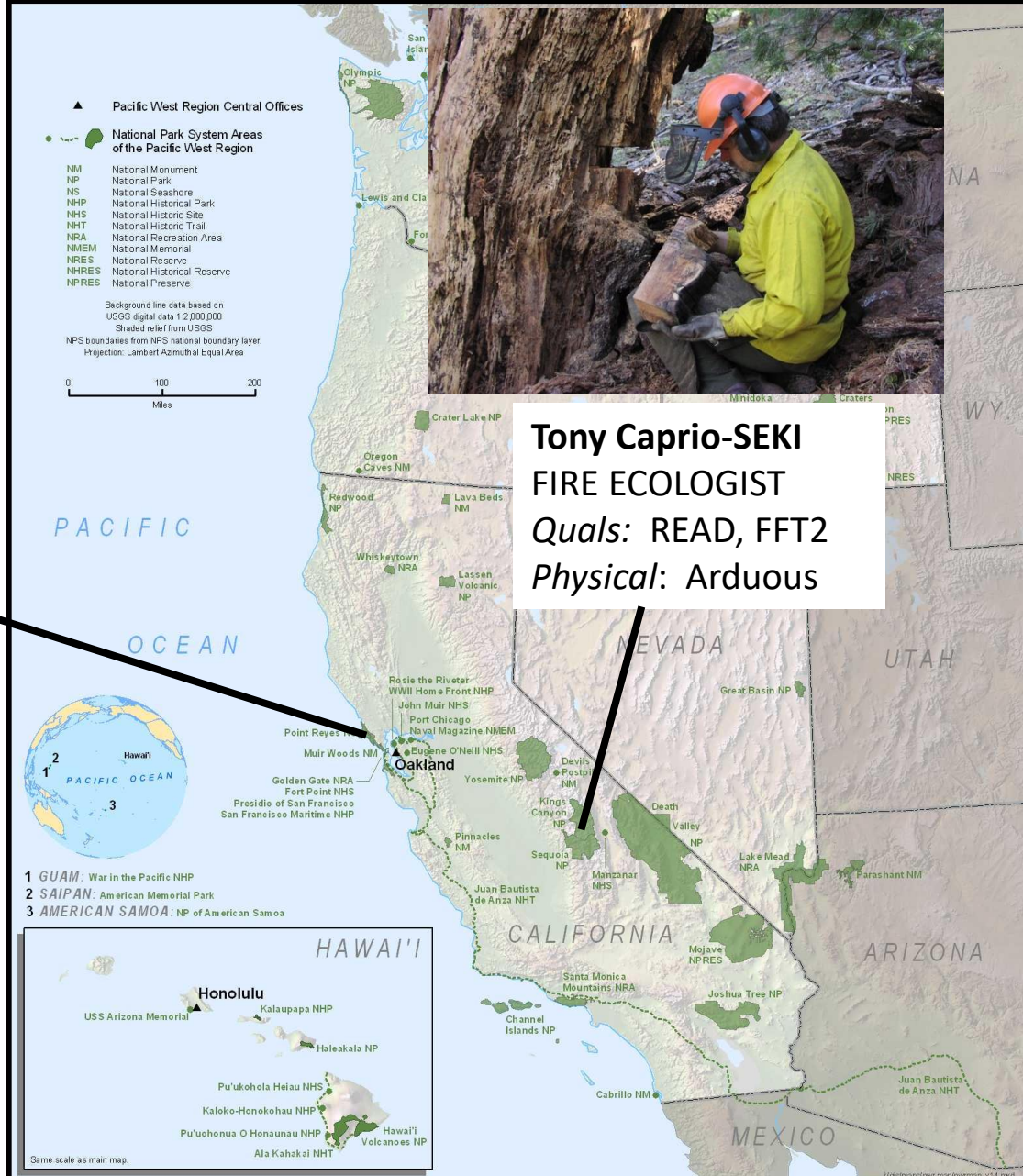
Quals: REAF, GISS, FFT2

Physical: Arduous

Pacific West Region

National Park Service

U.S. Department of the Interior



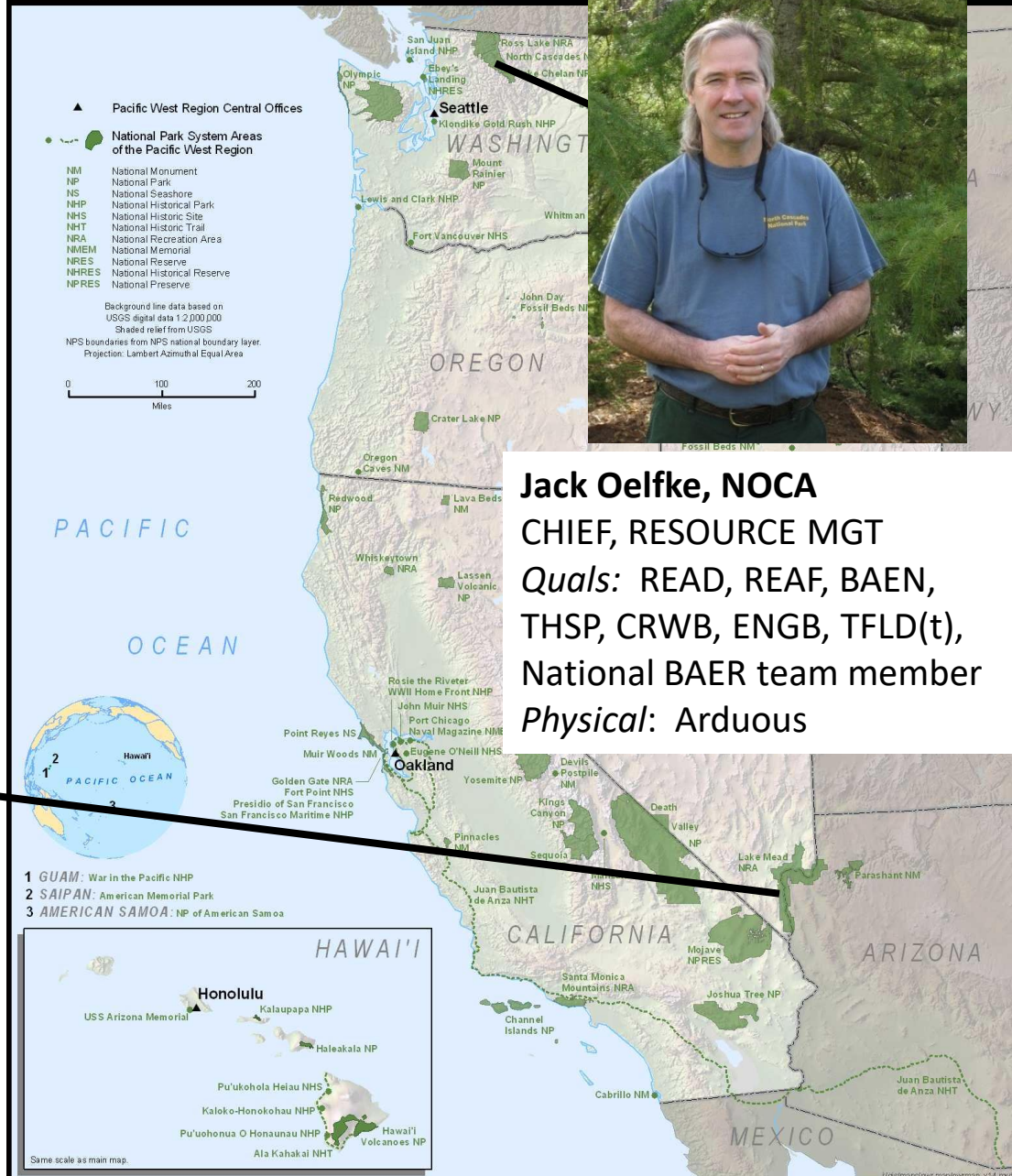
Wildlife



Sandee Dingman-LAME
BIOLOGIST

Quals: PIOF, FEMO, BAEN, BABI, BABO, BAEL, BIOL, BOTI, ENSP, GISS, READ, REAF, THSP, PIO2(t), National BAER team member
Physical: Arduous

Pacific West Region National Park Service U.S. Department of the Interior



GIS



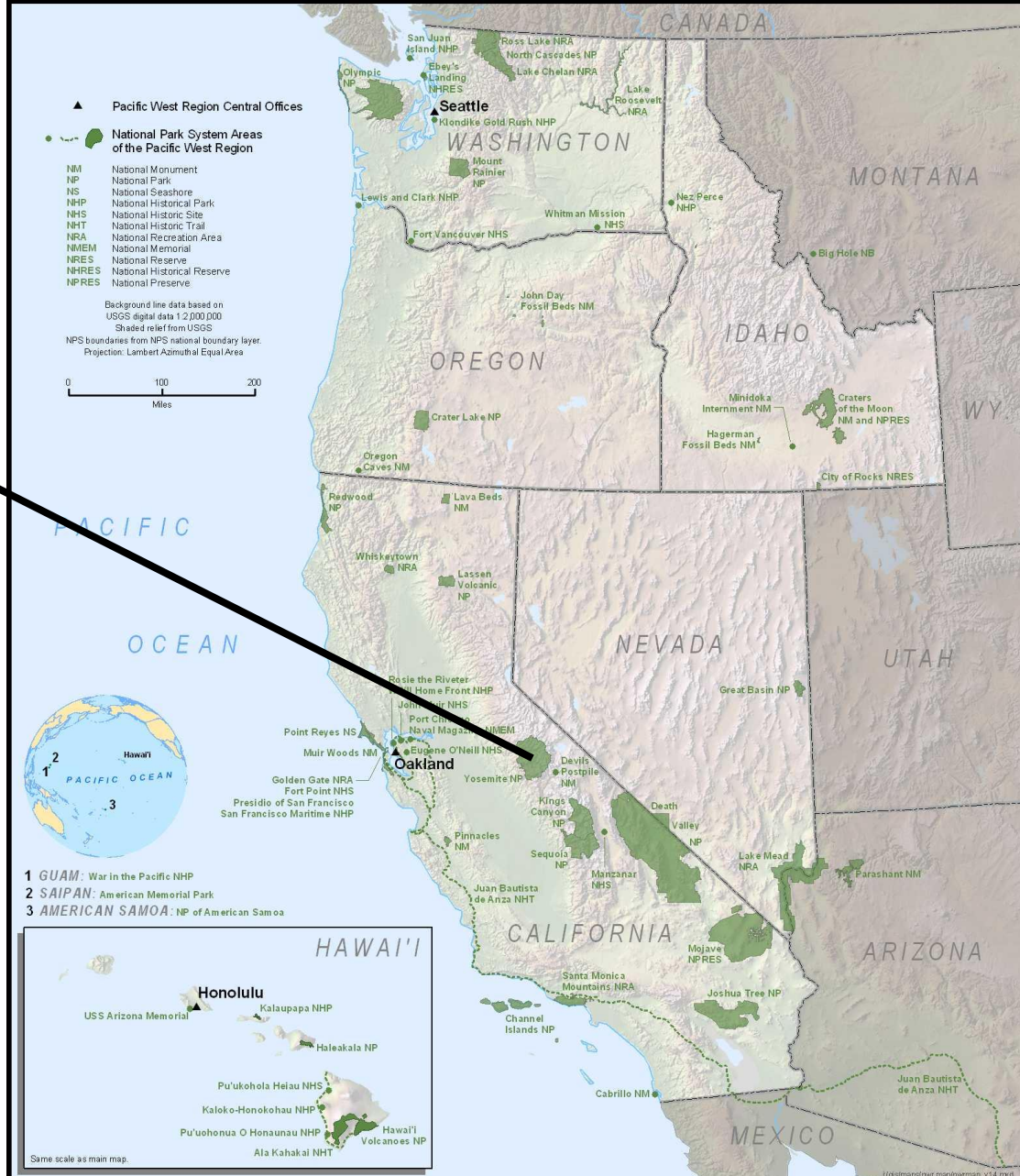
Kent Van Wagtendonk,
YOSE

GEOGRAPHER-FIRE GIS
SPECIALIST

Quals: REAF, READ,
GISS, FFT2

Physical: Arduous

Pacific West Region National Park Service U.S. Department of the Interior



Deputy READ



Marti Witter, SAMO

FIRE ECOLOGIST

Quals: READ

Physical: None

Pacific West Region

National Park Service

U.S. Department of the Interior



Information Exchange

- To READs:
 - Nature of assignment, values at risk, account number, logistical information, timeframe, etc.
- From READs
 - When are they available to be ordered and as what qual
 - What equipment would they bring...laptop, GPS, tablet, camera, radio, cell phone, etc.
 - Get these approved on their Resource Order

DAY 1, 1900: North Ops Calls...

- Do you want to take the assignment?
- When are you leaving and from where?
- How are you traveling (air, govt. vehicle, rental vehicle, etc.)?
- When do you anticipate arriving at the incident?
- Tell them if bringing a laptop, cell phone, radio, tablet, GPS, etc.

RESOURCE ORDER	Initial Date/Time	2. Incident / Project Name				3. Incident / Project Order Number CA-SNF-000745		Financial Codes P5LOBG(0515) [P] ABH CFAA - CA FIRE ASSIST AGR CFMA - CA COOP FIRE MGMT AGR SOA CC 73837040	
OVERHEAD	07/13/18 2136	FERGUSON				4. Office Reference Number		9. Jurisdiction / Agency Sierra National Forest	
5. Descriptive Location FERGUSON		6. TWN	RNG	SEC	Base MDM	8. Incident Base / Phone Number GREG COTTON 559-500-4546 MATT 310-9389-0305 559-500-4544 HARKIE 661.304.3770 KEVIN HARPER 661-330-0209 CA-SICC (Dispatch) 559-500-4544 CA-SICC (Dispatch) 559-500-4546		10. Ordering Office Sierra Interagency ECC	
		3S	19E	29	Mt. Diablo, CA				
		LAT. 37 39 07 N							
		LONG. 119 52 51 W							
11. Aircraft Information									
Bearing	Distance	VOR	Contact Name	Frequency Type	Assigned Frequency	Reload Base	Other Aircraft / Hazards		
322	36	FRA		Command	RX172.2250/TX164.7875 Sierra Fire 146.20	MPI	Aerial Cable - 37 39 26 N 119 54 51 W		
31	36	HYP		Tactical	168.600 R5 Tac 3 000.00	O22	Aerial Cable - 37 39 29 N 119 52 39 W		
343	46	CZQ		Air to Ground	163.1000 (DECK)	FAT			
				Air Tactics	AIR TACTICS 172.4750 000.00	MCC			
				Air to Air	118.95 VHF (P) 000.00	PTV			
				Tactical	168.250 NIFC TAC 7				
				Tactical	166.775 NIFC TAC 6				
				Air to Ground	Air to Ground 168.4000 000.00				
				Tactical	166.725 NIFC TAC 5 000.00				
				Air Tanker Base Ground Control / Operations	123.975 Fresno Air Base VHF 000.00				

“O-Number” Name + Qual

Anticipated Arrival

12. Request Number	Ordered Date/Time	From	To	Qty	Resource requested	Needed Date/Time	Deliver To	From Unit	To Unit	Assigned Date/Time	Resource Assigned Unit ID	Resource Assigned	M/D Ind	Estimated Time Of Departure	Estimated Time Of Arrival	Released Date	Released To
O-1423	08/04/18 1334 PST	CA-SICC (Dispatch) 559-500-4546	CA-SICC		RESOURCE ADVISOR (READ) (Drake, Cedar (WA-PSC))	08/07/18 2000 PST	FERGUSON	WA-SICC	CA-SICC	08/04/18 1529 PST	WA-NCP	Drake, Cedar (WA-PSC)	M	08/06/18 0800 PST	08/07/18 2000 PST		
Travel Mode AOV		Financial Code CFAA - OFFICE ASSN AGR		Special Needs Justification: Cedar Drake will replace the Lead READ who is timing out. He has extensive local knowledge on the development and implementation of suppression repair, especially for lands that fall under the jurisdiction of the USFS and NPS. Cell phone, computer, Rental vehicle, AOV, POV authorized.										Reporting Instructions Awahnee Hills Regional Park 3469 Hwy 49 Awahnee, CA			
13. User Documentation																	
Req. No.																Entered By	
O-1423	General message 850															Thomas Evans (CA-SICC) 08/04/2018 1335 PST	
O-1423	Justification: Cedar Drake will replace the Lead READ who is timing out. He has extensive local knowledge on the development and implementation of suppression repair, especially for lands that fall under the jurisdiction of the USFS and NPS.															Thomas Evans (CA-SICC) 08/04/2018 1335 PST	
O-1423	Request O-1423 - RESOURCE ADVISOR (READ) - [CA-SNF-000745] FERGUSON has been filled with Drake, Cedar (WA-PSC) by Juan Ortiz@WA-PSC ROSS.															Juan Ortiz (WA-PSC) 08/04/2018 1529 PST	
O-1423	Called and Spoke with Jack, the Lead READ. Authorized is GPS, tablet computer, portable radio, and camera.															Juan Ortiz (WA-PSC) 08/04/2018 1838 PST	

Special Instructions & Authorizations

ICP Address

DAY 1, 1900: Ramping Up

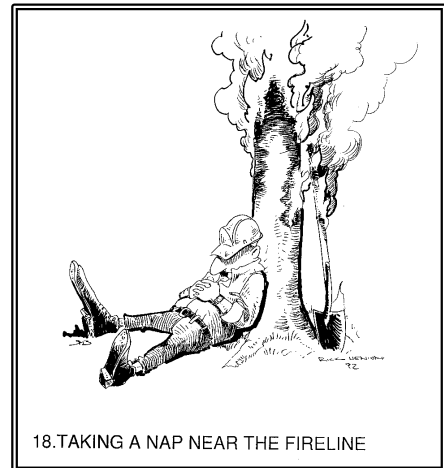
- Battalion 31 assumes IC3...IC4 goes to OSC
- Crew 7 arrives with Echo in tow, Mt. Bullion 15 minutes behind, two ships doing shuttles
- Type 2 IMT has been ordered

Extended Attack

- Type 3 incident
- Initial attack capabilities have been exceeded
- More fire fighting resources and increased complexity
- Additional Command and General Staff function (Operations) staffed
- Longer duration?

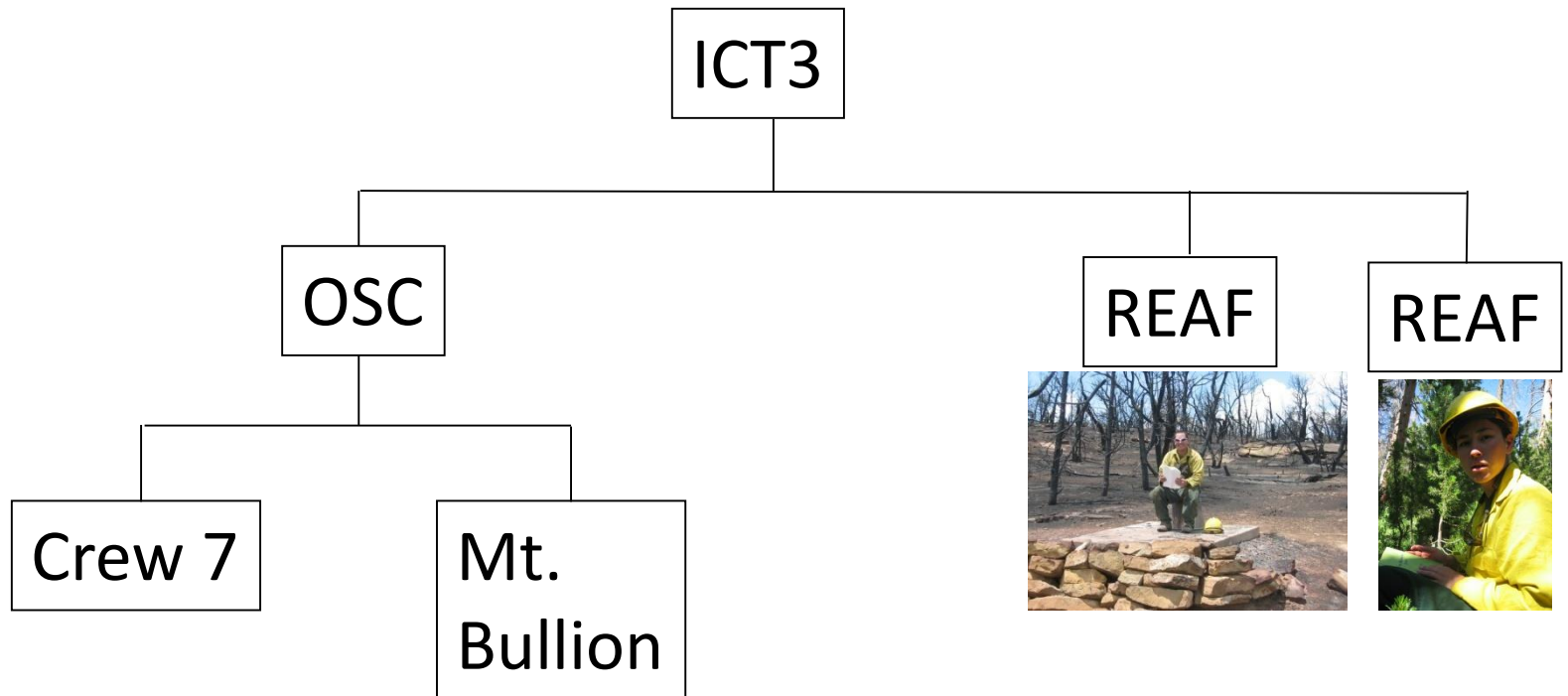
DAY 1, 1905: Jun Briefs Echo on Fireline

“Hey, thanks for coming out! We’re just not able to catch this thing- there’s lots of short pieces of line but don’t worry about trying to capture those. Our folks know that we’re not going to hold this thing tonight so they’re going light. Just look out for arch sites and grab a GPS point on them if you see anything. Here’s the map of nests- I’ve checked the ones I’ve been able to flag and get lined- anticipate the fire moving out in all directions and get more if you can. I’ve got Cedar coming tomorrow and we’ll get more help.” Be safe- work with Bernie as you move around.”



18. TAKING A NAP NEAR THE FIRELINE

Grouse Fire ICS



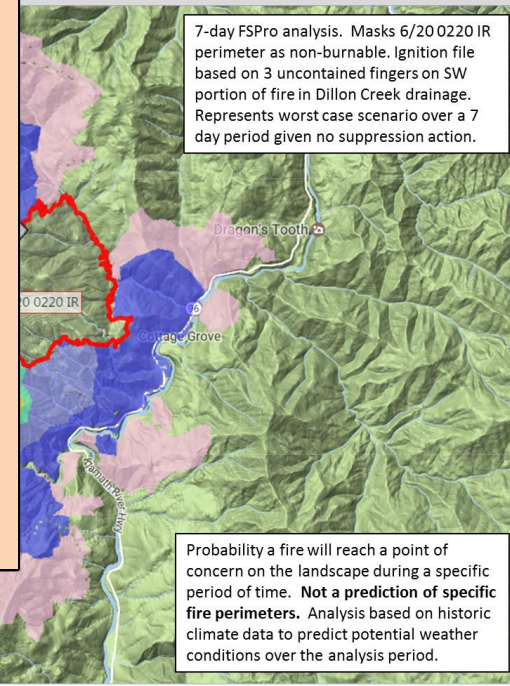
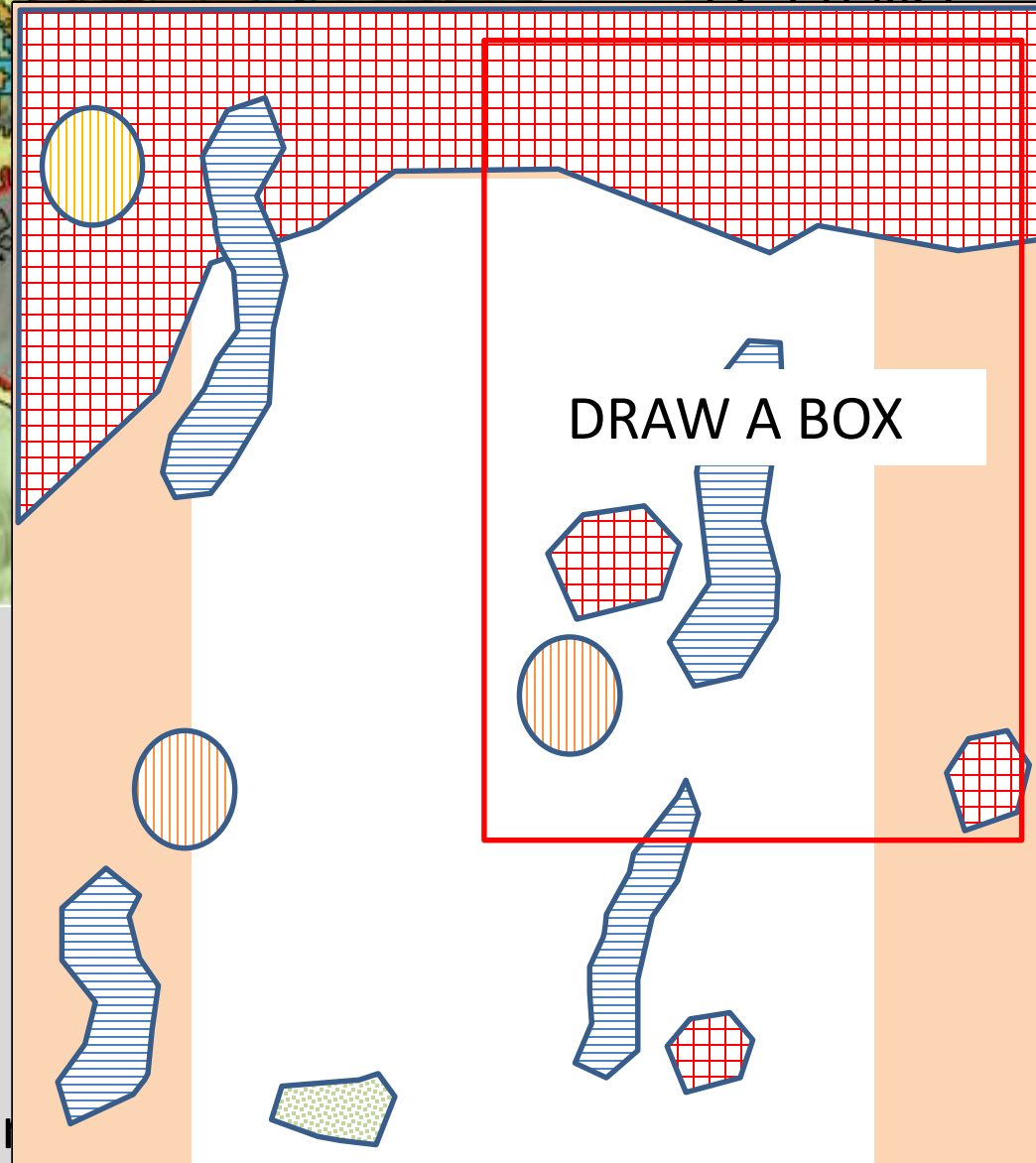
Wildland Fire Decision Support System (WFDSS)



- A scalable online decision support tool that helps agency administrators and wildland fire managers make informed decisions for the management of wildfire response
- Key Components:
 - Extensive modelling applications
 - Decision documentation tools
 - **Pre-determined strategic objectives and management requirements applied spatially across the landscape**

Near Term Fire Behavior

(1-7 days)



Fire Spread Probability
(FSPPro)

WFDSS for Resource Advisors

- Two areas of input...
 - Assessing pre-loaded resource information
 - strategic objectives
 - management requirements
 - Loading incident-level information
 - incident requirements
 - management action points (trigger points)

Objectives and Requirements

- **Strategic Objectives**

- Broad statements about the desired future conditions of natural and cultural resources
 - derived from land and resource management plans

- **Management Requirements**

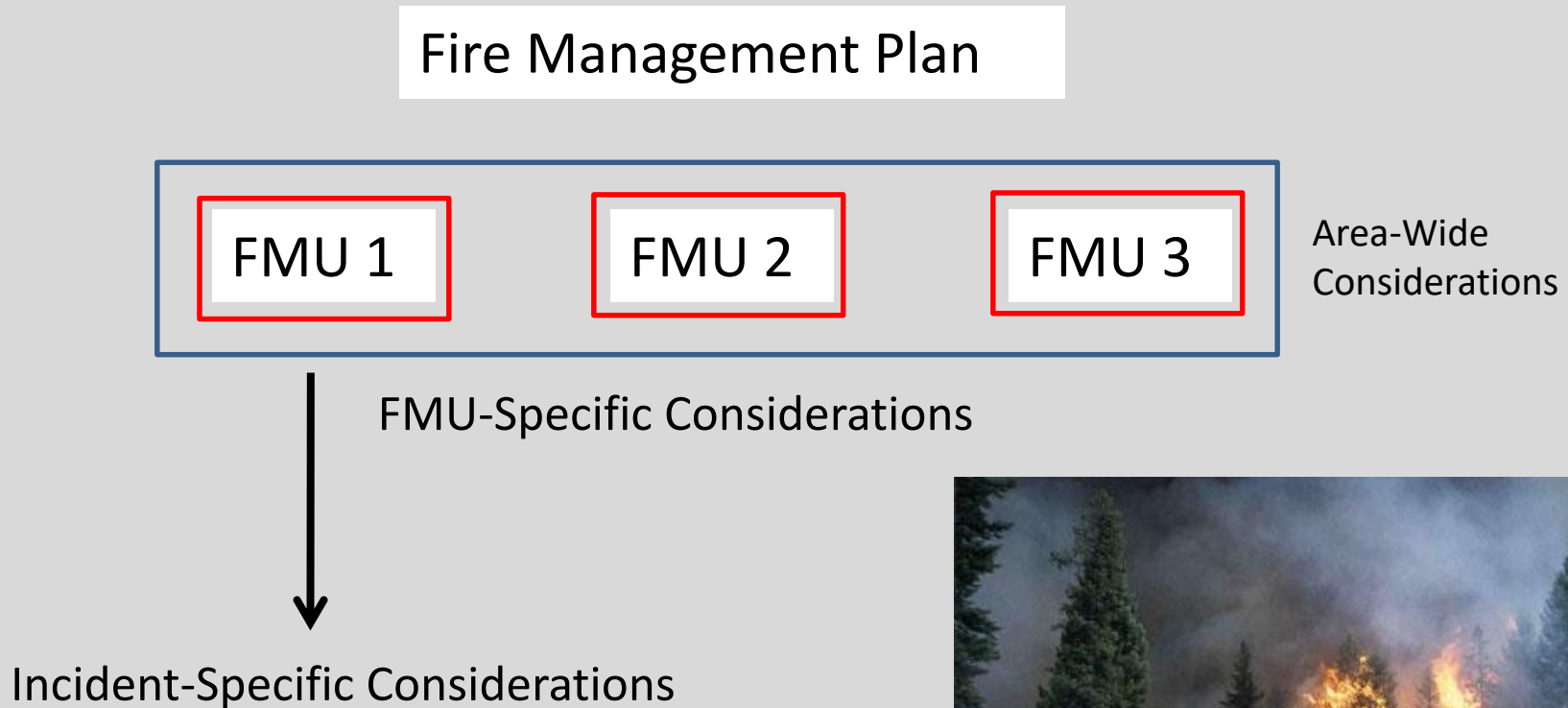
- Technical specifications for management activities and/or potential actions to help achieve strategic objectives

Objectives and Requirements

- **Strategic Objective:** “Minimize operational impacts of fire management activities to desert tortoises”
- **Management Requirements:**
 - Assign READ to all wildfires in tortoise habitat
 - No off-road vehicle travel
 - Remove trash from all operational areas
 - No chemical retardant applications in tortoise habitat



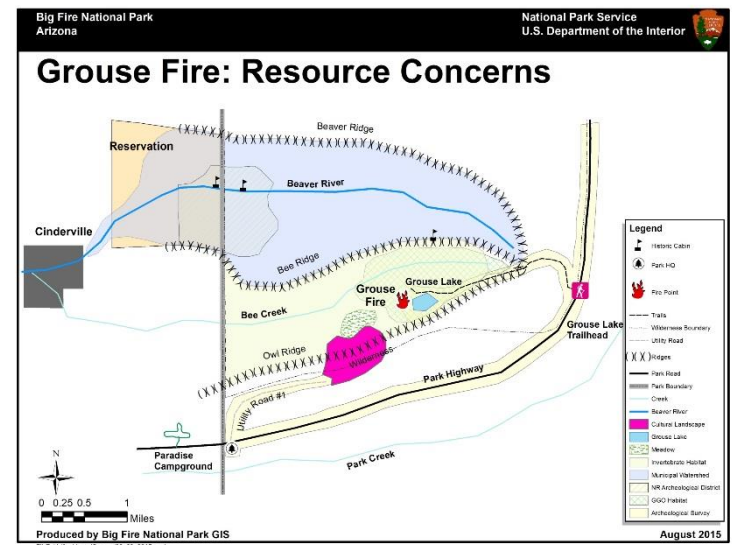
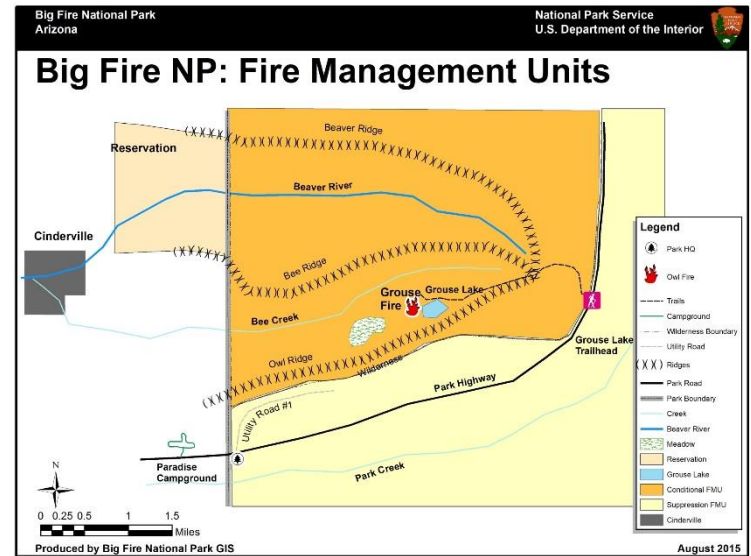
Objectives and Requirements



DAY 1, 2300: Grouse Fire WFDSS Inputs

PRE-LOADED

- **General Strategic Objectives & Management Requirements**
 - Maximize use of wildland fire for resource benefits
 - Prevent degradation of natural and cultural resources due to wildland fire and fire management actions
 - Utilize MIST where appropriate
 - Assign READs for all incidents exceeding one operational period.

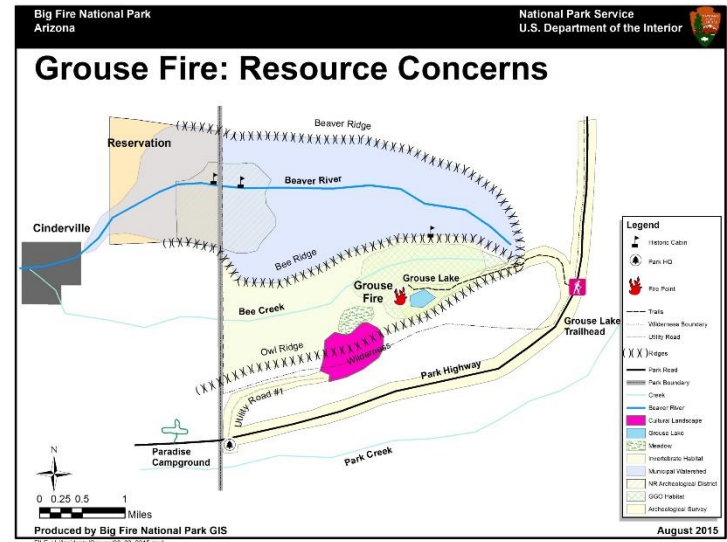
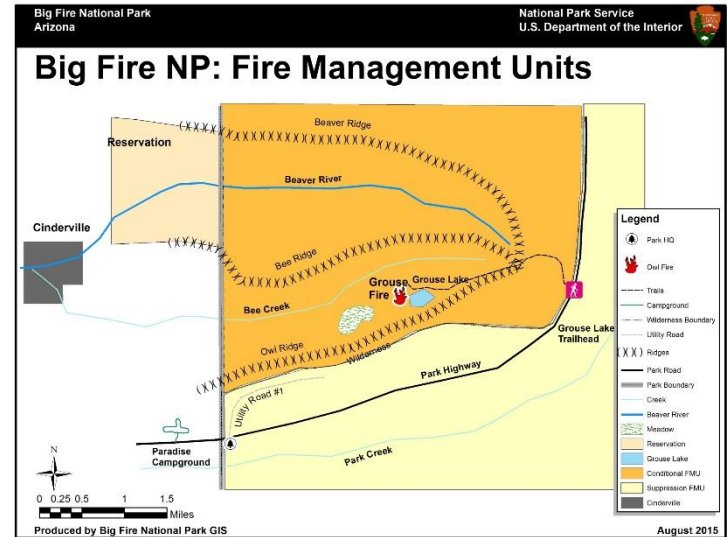


DAY 1, 2300: Grouse Fire WFDSS

Inputs CONT.

PRE-LOADED

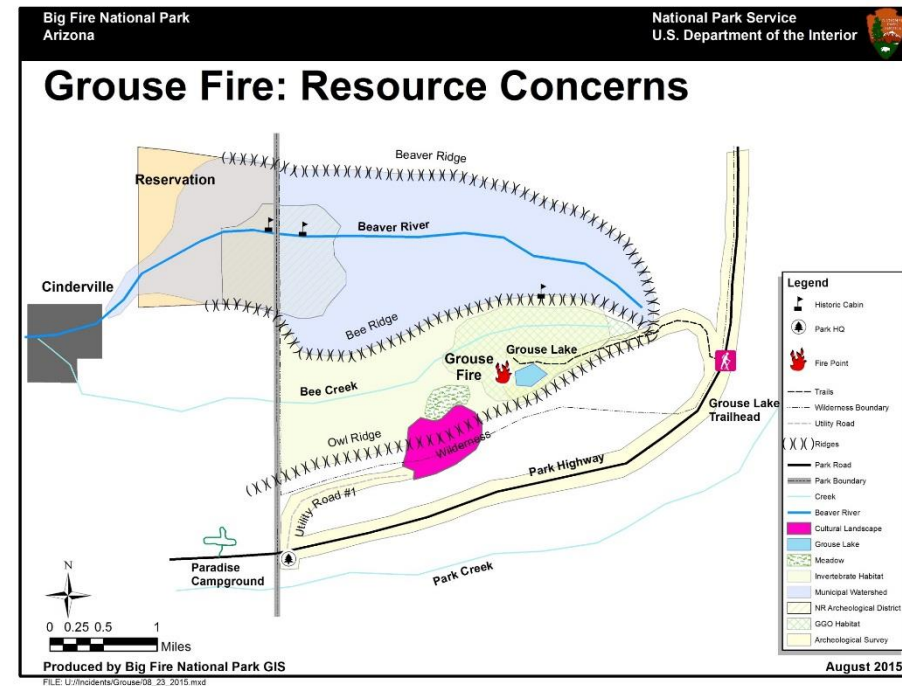
- **FMU-Specific Requirements:**
 - Maximize use of natural ignitions for resource benefits in the Conditional FMU
 - Bee Creek Invertebrates
 - Beaver River Water Quality
 - Owl Habitat
 - Cultural Resources
 - Aggressively suppress all unplanned ignitions in the WUI FMU, giving consideration to natural and cultural resources
 - Cultural Resources
 - Park Creek aquatic invasives



DAY 1, 2400: Grouse Fire WFDSS Inputs

- **Incident-Specific Requirements**
 - Protect historic cabin on Bee Ridge using pre-assembled cabin protection kits.
 - Protect sensitive Bee Creek invertebrate habitat by avoiding chemical retardant drops, movement of water within and from outside watershed, etc.
 - Initiate best management practices to reduce the establishment and spread of noxious weeds
 - Avoid overflights and other audible and visual disturbances in proximity to great gray owl nesting sites and habitat in Bee Creek watershed

READ-LOADED

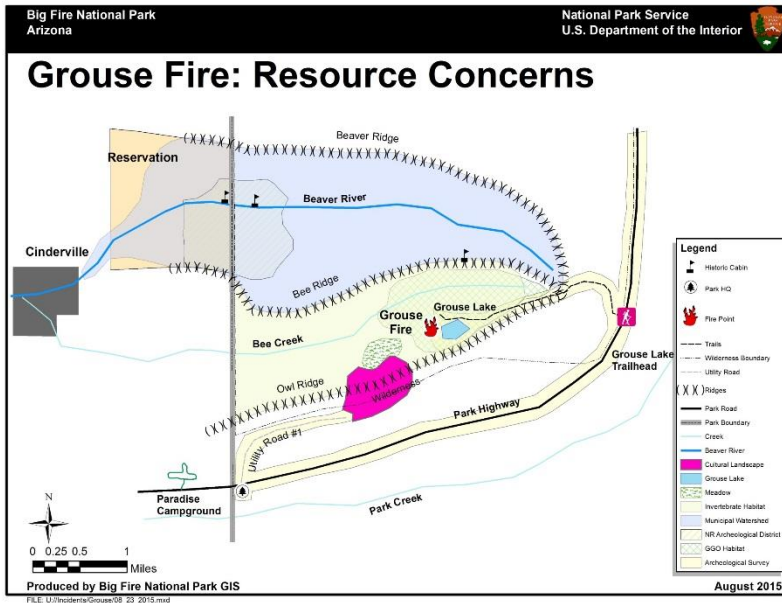


DAY 1, 2400: Grouse Fire WFDSS

Inputs CONT.

PRE-LOADED

- **Incident-Specific Management Action Points**
 - Initiate Burned Area Emergency Response (BAER) assessment in the event of fire spread into the Beaver River watershed





DAY 2, 0100: Pulling the Trigger

- Jun calls Cedar...let's order up the REAFs/READs
- Jun contacts park dispatch and provides names of resources and logistical information...Dispatch will place name requests through ROSS
 - Start contacting at 0600...needed at ICP later today
 - All will bring laptops, tablets and/or cell phones; vehicle rentals approved

Delegation of Authority

“A formal document provided to the Incident Commander by the agency executive delegating authority and assigning responsibility. The delegation of authority can include objectives, priorities, expectations, constraints and other considerations or guidelines as needed.” NWCG



Delegation of Authority

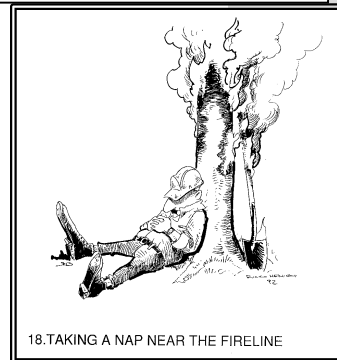
- Strategic objectives provided by the Agency Administrator to the IMT for the management of the incident (written and signed)
- Specific enough to convey expectations, broad enough to allow flexibility for contingencies

Delegation of Authority cont.

- Jurisdictional and protection responsibility for the lands involved in the wildland fire, including responsibility for structural protection where relevant

- AREP who will represent line officer
- Suppression objectives and priority
- Specific suppression tactics or areas that require AREP/line officer approval
- READ who will represent the AREP/line officer

- Cost constraints and guidelines.
- Property accountability; fire loss/use rate expectations.
- Incident business advisor and required coordination with the team.
- Guidelines for media relations and incident information management.
- Procedures dealing with threats to other jurisdictions and private property.
- Any local logistical considerations, including procurement and supply procedures.
- Any other constraints or issues, such as current activities by forest or other agencies, legal requirements, training opportunities, etc.

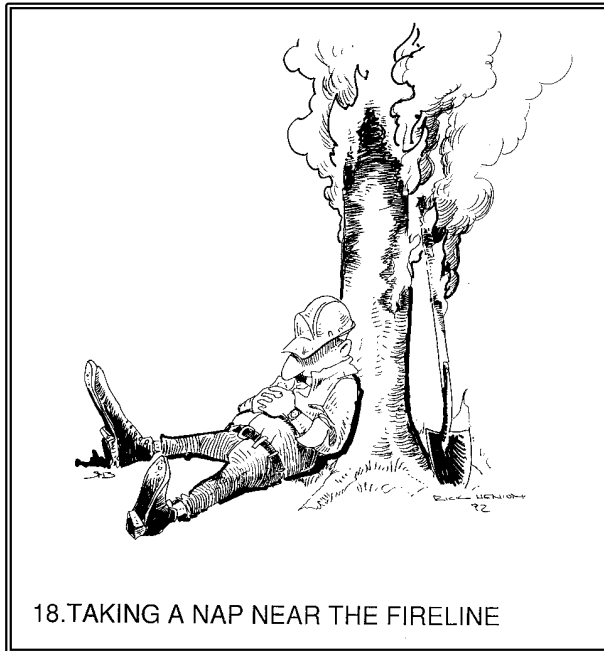


DAY 2, 0300: Grouse Fire Delegation of Authority

- AREP and lead READ named
- Objectives:
 - Keep fire in the Bee Creek Drainage; away from wildland-urban interface to west and south, municipal watershed to north;
 - use MIST commensurate with wilderness values
- Tactics requiring approval
 - Retardant in Bee Creek drainage
 - Mechanized equipment in wilderness other than helicopters and chainsaws

DAY 2, 0900

“Wake up Jun; the Team is here!”



Incident Management Teams



The Incident Command System & Incident Management Teams



Large Fire Management

- *Type 2 Incident:* Most or all of the Command and General Staff positions are activated and filled by members of a standing Type 2 team.
 - Anticipate multiple operational periods
 - Written IAPs
 - Extensive logistical support
- *Type 1 Incident:* Same as above, but larger and more complex (>1,000 people)

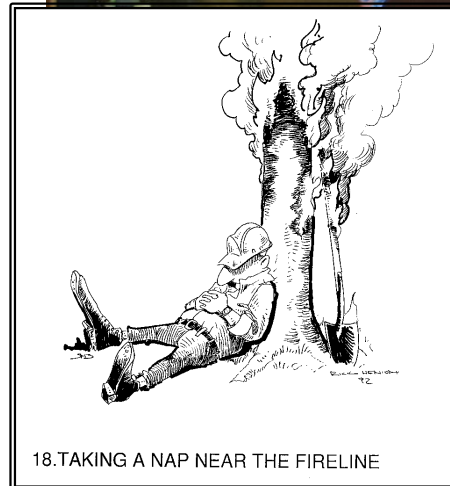
Incident and Resource Typing

size, complexity, qualification, and capacity

	Wildfire Incidents	Crews	Helicopters	Wildland Engines
Metric	Size & Complexity	Experience & Qualifications	Max. Water Carrying Capacity	Tank Size & Pump Min. Flow Rates
Type 1	mega fires	Hotshots, Rappellers, Smoke Jumpers	700 gallons	-
Type 2	major fires	handcrews	300 gallons	-
Type 3	pretty big fires	-	100 gallons	500 gal.(150 gal/min)
Type 4	small fires	-	-	750 gal. (50 gal/min)
Type 5	single tree	-	-	400 gal. (50 gal/min)

Day 2, 1000: Team Inbriefing

- The local unit presents a status of the fire, issues and concerns (in-depth presentation of the Delegation of Authority)
- Critical point for Line Officer to outline expectations with regard to use of READs/REAFs, BAER, etc.



Tracking Fires from Afar

National Interagency Coordination Center Incident Management Situation Report Friday, December 13, 2019 – 0800 MT National Preparedness Level 1

National Fire Activity (December 6 – December 12, 2019)

Initial attack activity: Light (233 new fires)
New large incidents: 2
Large fires contained: 6
Uncontained large fires:*** 1
Area Command teams committed: 0
NIMOs committed: 0
Type 1 IMTs committed: 0
Type 2 IMTs committed: 0

Nationally, there is 0 large fire being managed under a strategy other than full suppression.
*** Uncontained large fires include only fires being managed under a full suppression strategy.

[Link](#) to Geographic Area daily reports.

[Link](#) to Understanding the IMSR.

This report will post every Friday at 0800 Mountain Time unless significant activity occurs.

Twenty-one wildland fire personnel are assigned to support large fires in New South Wales, Australia.

Active Incident Resource Summary

GACC	Incidents	Cumulative Acres	Crews	Engines	Helicopters	Total Personnel
AICC	1	14,907	0	0	1	5
NWCC	0	0	0	0	0	0
ONCC	0	0	0	0	0	0
OSCC	1	3,126	1	1	0	38
NRCC	0	0	0	0	0	0
GBCC	0	0	0	0	0	0
SWCC	0	0	0	0	0	0
RMCC	0	0	0	0	0	0
EACC	2	1,564	0	3	0	13
SACC	2	528	0	5	0	10
Total	6	20,125	1	9	1	66

Southern California Area (PL 1)

New fires: 4
New large incidents: 0
Uncontained large fires: 1

Cave, Los Padres NF, USFS. Eight miles northwest of Santa Barbara, CA. Brush, chaparral and tall grass. Minimal fire behavior with smoldering.

Incident Name	Unit	Size		%	Ctn/Comp	Est	Personnel		Resources			Strc Lost	\$\$ CTD	Origin Own
		Acres	Chge				Total	Chge	Cw	Eng	Heli			
Cave	CA-LPF	3,126	0	90	Ctn	UNK	38	-14	1	1	0	0	3.6M	FS

Southern Area (PL 1)

New fires: 218
New large incidents: 1
Uncontained large fires: 0

Incident Name	Unit	Size		%	Ctn/Comp	Est	Personnel		Resources			Strc Lost	\$\$ CTD	Origin Own
		Acres	Chge				Total	Chge	Cw	Eng	Heli			
* Morewood	OK-OKS	432	---	100	Ctn	---	4	---	0	2	0	0	14K	ST
Highway 50	OK-OKS	764	0	100	Ctn	---	4	0	0	2	0	1	16K	ST
Matthews	TX-TXS	950	450	100	Ctn	---	1	-28	0	0	0	0	NR	ST
One Horse	OK-ANA	426	-3	100	Ctn	---	1	-40	0	0	0	0	15K	BIA

OKS – Oklahoma DOF TXS – Texas A&M Forest Service ANA – Anadarko Agency, BIA

Eastern Area (PL 1)

New fires: 4
New large incidents: 0
Uncontained large fires: 0

Incident Name	Unit	Size		%	Ctn/Comp	Est	Personnel		Resources			Strc Lost	\$\$ CTD	Origin Own
		Acres	Chge				Total	Chge	Cw	Eng	Heli			
Dry Hollow	WV-MOF	1,289	0	100	Ctn	---	3	-9	0	1	0	0	350K	FS

MOF – Monongahela NF, USFS

Southwest Area (PL 1)

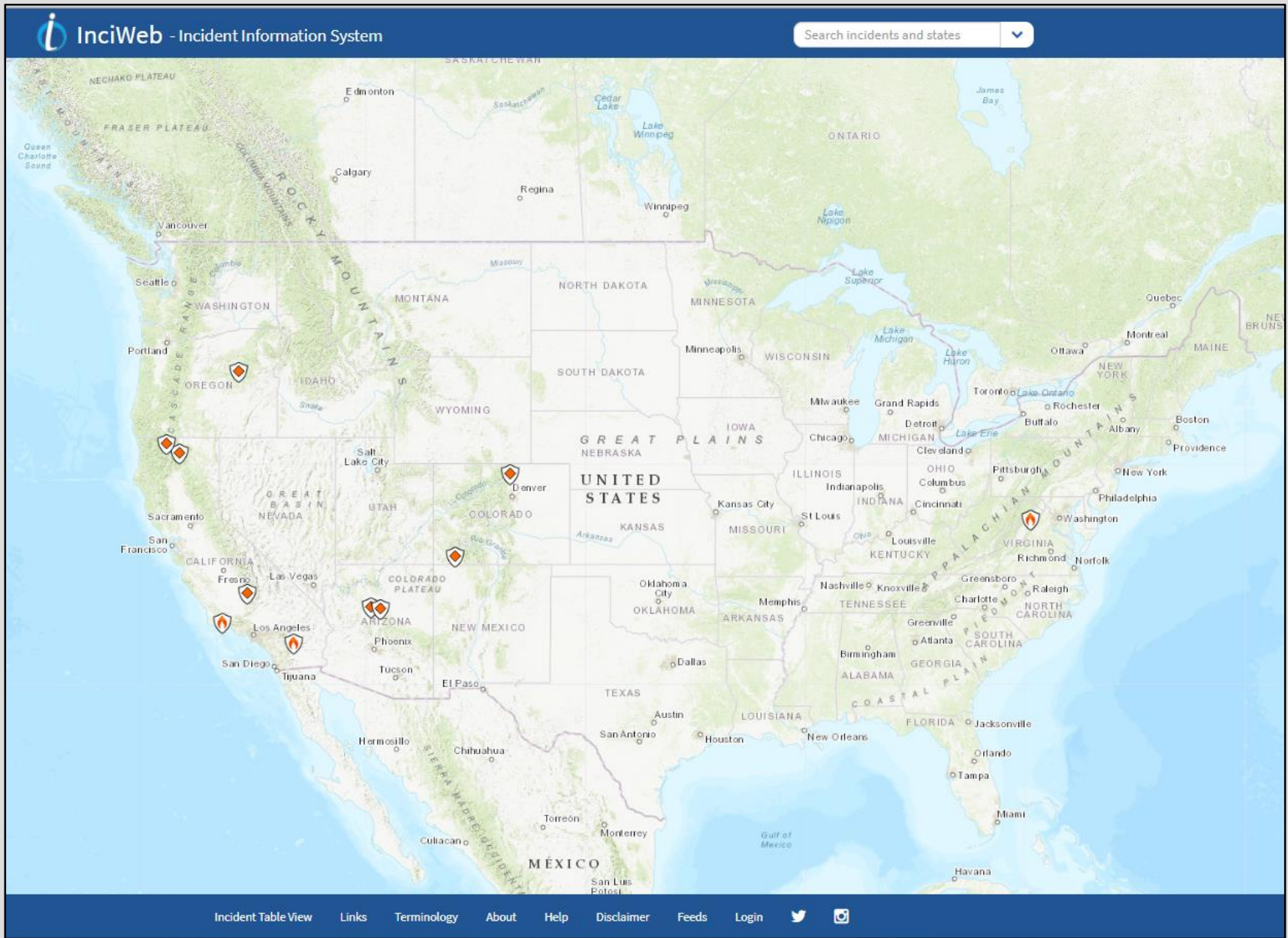
New fires: 1
New large incidents: 1
Uncontained large fires: 0

Incident Name	Unit	Size		%	Ctn/Comp	Est	Personnel		Resources			Strc Lost	\$\$ CTD	Origin Own
		Acres	Chge				Total	Chge	Cw	Eng	Heli			
* Aspen Butte	AZ-FTA	210	---	100	Ctn	---	0	---	0	0	0	0	150K	BIA

FTA – Fort Apache Agency, BIA

National Interagency Coordination Center SIT REPORT

INCIWEB



INCIWEB


Table of Incidents - Alternative Accessibility Friendly Map View


This table exists to help users with screen reading assistive technology or other accessibility needs work around the map based design and navigation of InciWeb. The table below contains all active incidents that are displayed on the map ordered by most recently updated. The table can be ordered in ascending or descending order by incident, type, state or size by clicking the column name. To filter the table by a word or phrase (ie. specific incident or state), enter the word in the search box above the table and press enter or click the search icon to apply the filter. Click on a hyperlinked incident name to view the detailed information page for that incident. On the incident overview page, there is an additional submenu to access the incident's announcements, closures, news, maps, and photographs.







Incident	Type	State	Size	Updated
Kern River Ranger District Prescribed RX	Prescribed Fire	California, USA	0 Acres	12 hrs. ago
Klamath NF Fall RX Burning	Prescribed Fire	California, USA	0 Acres	13 hrs. ago
Slash Pile Burning 2019-2020	Prescribed Fire	Colorado, USA	0 Acres	2 days ago
Shasta-Trinity Prescribed Fires 2019-20	Prescribed Fire	California, USA	0 Acres	2 days ago
Cave Fire	Wildfire	California, USA	3126 Acres	2 days ago
2019 Fall & Rx Burns for Flagstaff Dist.	Prescribed Fire	Arizona, USA	0 Acres	3 days ago
San Juan NF Prescribed Fire Program	Prescribed Fire	Colorado, USA	0 Acres	12/11/2019
Martinez 3 Fire	Wildfire	California, USA	52 Acres	12/10/2019
Kaibab NF South Zone Rx Fire	Prescribed Fire	Arizona, USA	300 Acres	12/3/2019
Kennedy Peak Fire	Wildfire	Virginia, USA	745 Acres	11/26/2019
2019 Malheur NF Prescribed Fire	Prescribed Fire	Oregon, USA	0 Acres	11/13/2019

INCIWEB

 **InciWeb** - Incident Information System




Walker Fire



Unit Information

Plumas National Forest
U.S. Forest Service
159 Lawrence Street
Quincy, CA 95971



[Information](#) [Announcements](#) [Closures](#) [News](#) [Photographs](#) [Videos](#) [Maps](#)

This incident is no longer being updated.

Incident Overview

Suppression repair work continues. To date, fire crews and equipment have accomplished:

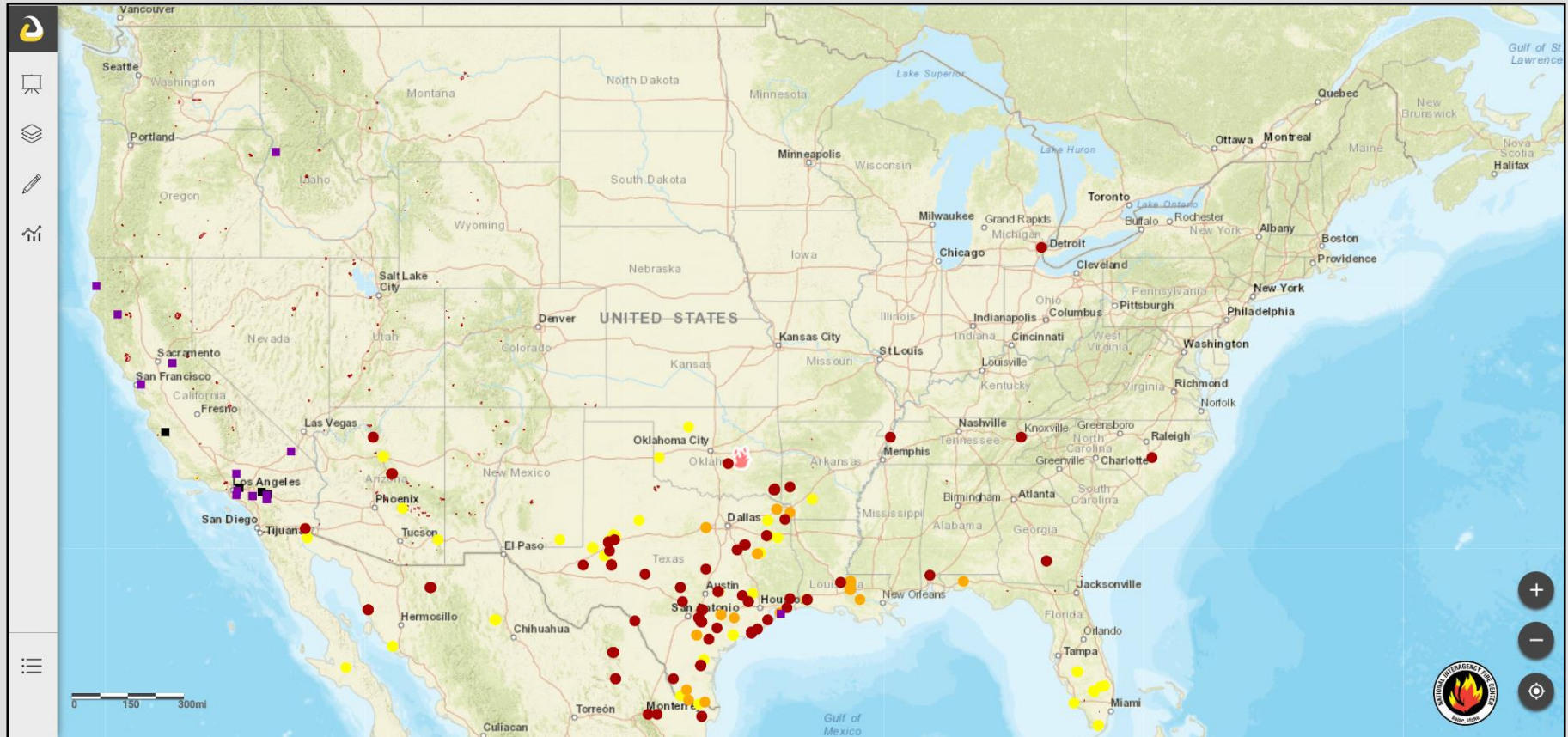
61% of the 75 miles of dozer line - More than 61% of the 72 miles of road repair - 100% of the 14 miles of handline

Out of concern for public safety, roads and trails within the fire area are closed.

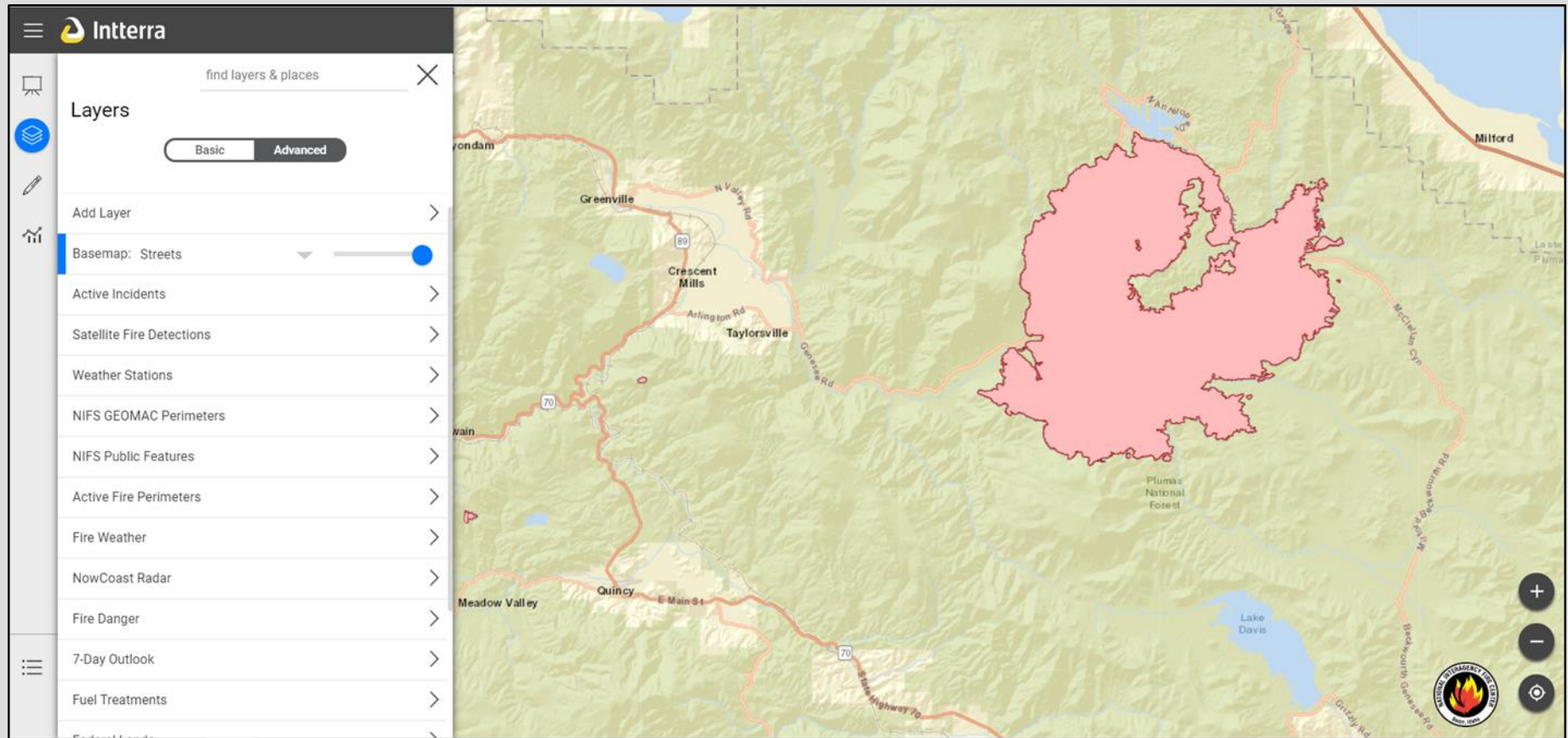
Forest Closure: The Forest Closure Order for portions of the Mt. Hough and Beckwourth Ranger Districts on the Plumas National Forest is in effect (Order 05-11-00-19-13). Please see Inciweb (closures tab) for closure information and a map of the closure area surrounding the Walker Fire.

A new update will be provided as needed at significant junctures.

NIFC NATIONAL FIRE SITUATION MAP



NIFC NATIONAL FIRE SITUATION MAP



NIFC FTP SERVER

NIFC FTP Server Information

Welcome to the **NIFC FTP Server**, an official site for interagency wildland fire incident data and documents.

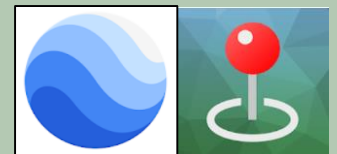
This ftp service is intended for **short-term interagency sharing**, not as a file archive or records repository, or much that carries over from season to season.

Many people have access to shared folders, so please retain copies of anything you post.

Data backups are not performed on the NIFC FTP Server.


















Public Access Folders:

- Incident Specific Data
- Base Information
- CTSP Information
- NIROPS Information
- Predictive Services Information
- National BAER Information



NIFC FTP Server

Index of /public/incident_specific_data

<u>Name</u>	<u>Last modified</u>	<u>Size</u>	<u>Description</u>
 Parent Directory		-	
 Fuels/	2019-11-05 16:43	-	
 IAP 0809.pdf	2019-08-09 09:04	4.1M	
 alaska/	2019-09-02 17:49	-	
 calif_n/	2019-04-18 17:09	-	
 can_n_save/	2018-08-18 09:23	-	
 calif_s/	2019-09-09 10:15	-	
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 n_rockies/	2019-05-08 21:58	-	
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 southern/	2018-07-20 13:23	-	
 southwest/	2018-11-13 12:16	-	
 training/	2019-06-04 15:51	-	


















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 2012 Incident Aviation/	2015-06-10 00:16	-	
 2013 FEDERAL Incidents/	2018-09-10 09:56	-	
 2014 FEDERAL Incidents/	2015-12-02 11:00	-	
 2015 FEDERAL Incidents/	2018-07-10 22:45	-	
 2016 FEDERAL Incidents/	2016-09-27 09:51	-	
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NIFC FTP Server

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 CA-KNF-007099_Kidder2/	2019-05-17 16:24	-	
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 CA-MDF-000509_Tucker/	2019-05-17 16:10	-	
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 CA-xxx-xxx_incident name0012/	2019-10-11 10:32	-	
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NIFC FTP Server

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 Final Incident Narrative/	2019-08-29 20:24	-	
 GIS/	2019-08-29 20:24	-	
 IR/	2019-10-03 22:51	-	





















NIFC FTP Server

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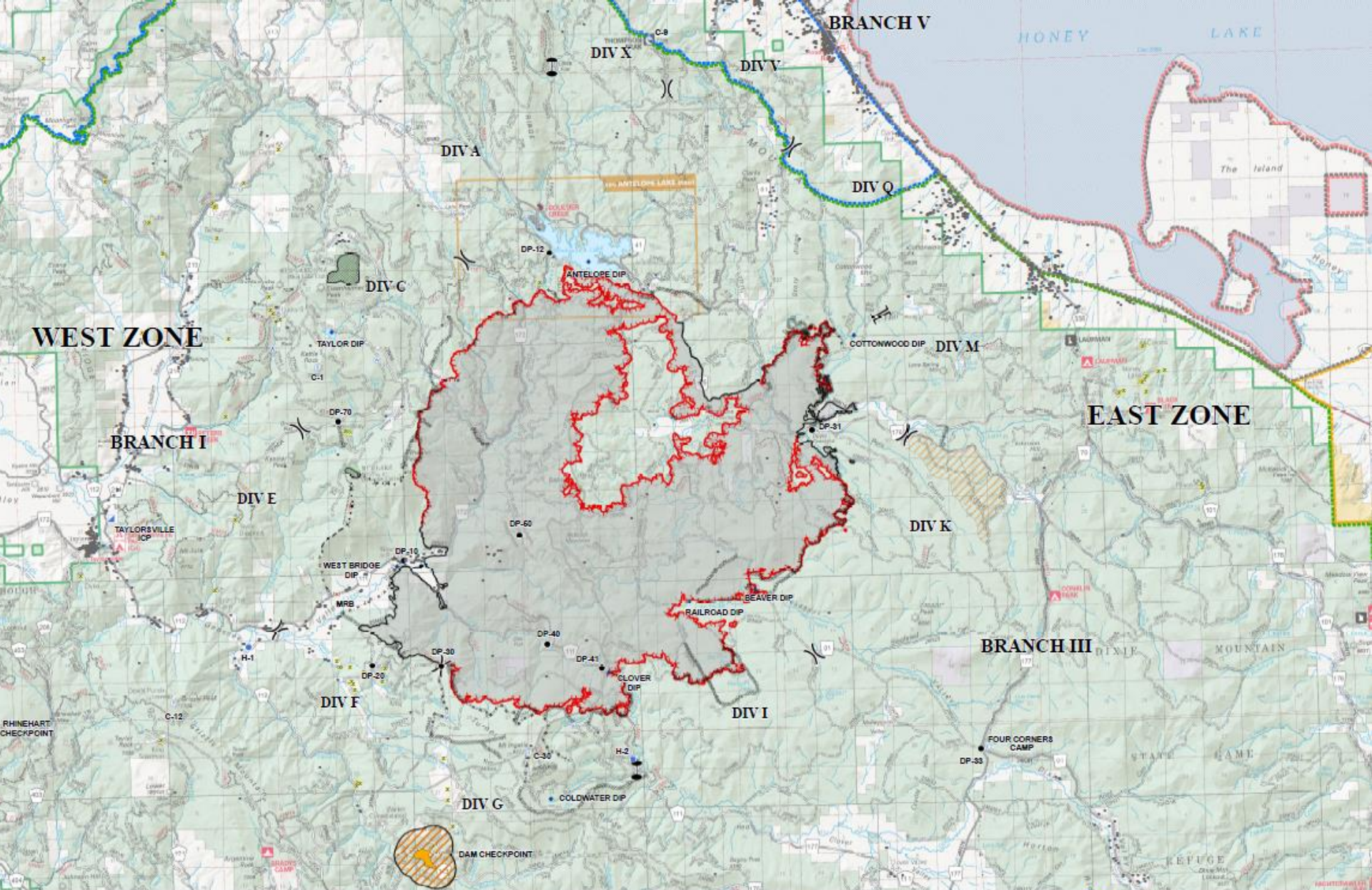
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 20190915/	2019-09-16 02:45	-	
 20190916/	2019-09-17 08:08	-	
 20190917/	2019-09-17 08:10	-	
 20190918/	2019-09-19 08:08	-	
 20190919/	2019-09-19 08:09	-	
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NIFC FTP Server

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Operations

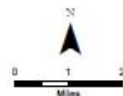
Walker Fire

CA-PNF-001324

09/13/2019 0700





Known Mine Hazards (Abandoned Mines)	Helipad	Other	Completed Dozer Line	Road as Completed Line	Evolution Zone	CAL FIRE
Structure	Incident Command Post	Zone Break	Uncontrolled Fire Edge	Access or Improved Road	Walker Mine Superfund	Department of Defense
Camp	Repairer	Division Break	Completed Line	Proposed Dozer Line	Avoidance Area	Local
Dip Site	Reluctant/Mud Pit	Branch Break	Completed Hand Line	Planned Fire Line	Bureau of Land Management	USDA/Forest Service
Drop Point	Water Source					



NIFC FTP Server

Index of /public/incident_specific_data/calif_n/!2019_FEDERAL/001324_Walker/GIS/Products/20190913

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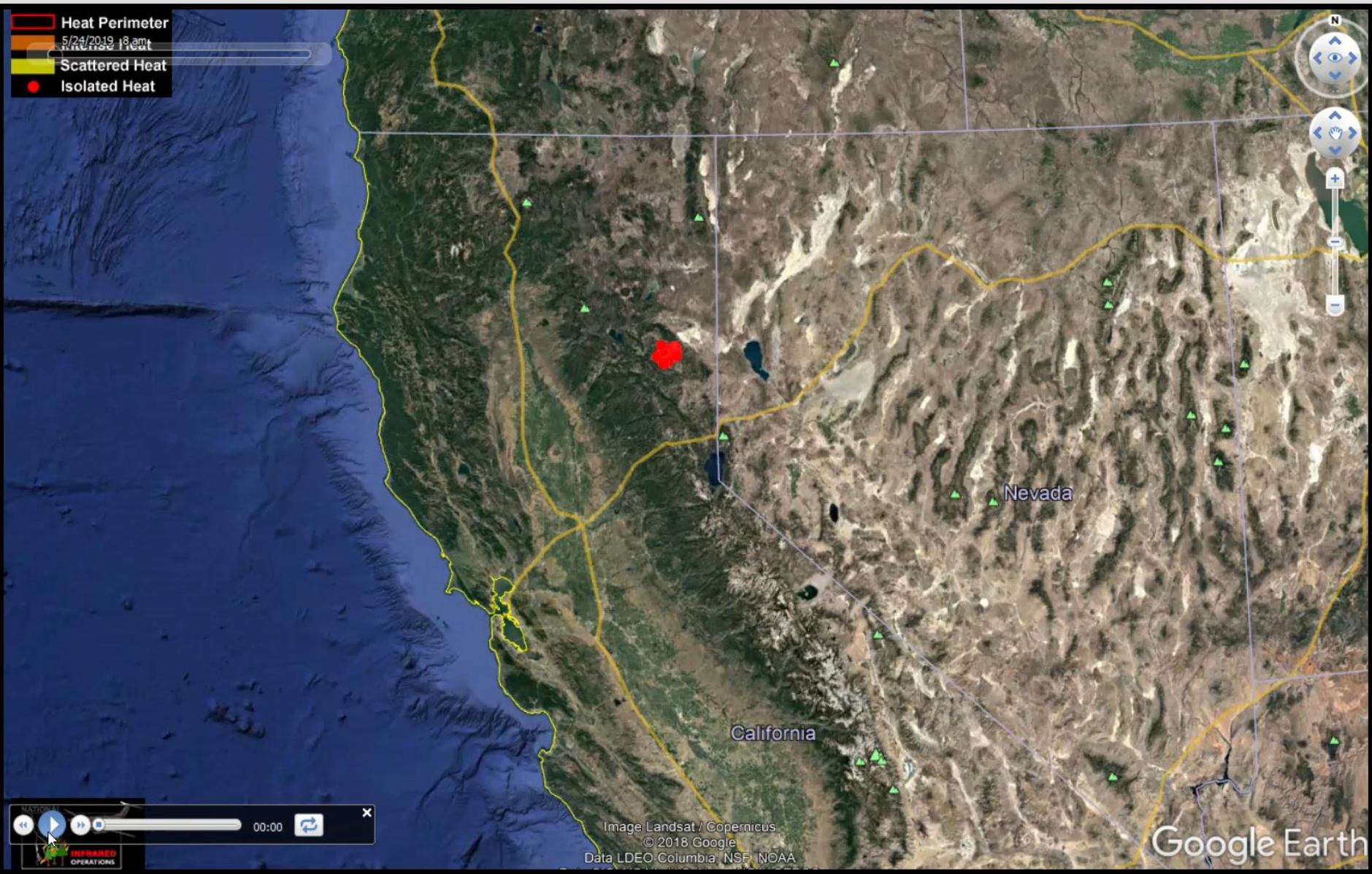
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Fire Gear

Wildland Firefighter Personal Protective Equipment (PPE)



Personal Gear

fire t-shirts
underwear
socks
fire pants
belt
sunglasses
fire boots
down jacket
sweatshirt
ball cap
toiletry kit
eyeglasses &
contacts
earplugs
Bandannas
flashlight
flip flops
towel
book
coffee mug

pillow
sleeping bag
sleeping pad
tent
nametag
business cards
chapstick
sunscreen
non-fire clothes



READ Gear

Resource Order
Red Card
laptop computer
PIV card
passwords
tablet computer
phone
charging cables
cigarette lighter
USB ports

WiFi Hotspot
Ethernet cable
thumb drive
digital READ resources
camera with batteries &
charger
portable radio
clamshell
IRPG
GPS unit and cable
binos
notebook
pens and pencils
Sharpee markers
CTR book
READ contact list
compass
watch
knife
cash

WHEN YOU REALIZE YOU

**DIDN'T PACK 14 DAYS-
WORTH OF UNDERWEAR**

Wildfire Memes

Travelling to the Incident



Interagency Incident Driving Policy 2019 Red Book

- 10 hours “behind the wheel” per duty day
- 16 hours of driving per day if multiple drivers
- Driver needs 8 consecutive hours of rest before beginning shift...typically 2200 -0600
- 2:1 work/rest ratio required

National Emergency Response Vehicles (NERV)

- Requested through local dispatch center
- NERV should be authorized on resource orders
- Transferrable between assignments and individuals (up to 120 days)
- May be driven anywhere within the US and Canada and dropped off at any Enterprise location
- Renters should NOT ever be asked to give a credit card for a NERV rental...covered by incident finance account (P-Code)
- ½ ton pickup (min.) if driving off paved roads
- Applies to NPS, USFS, BLM, FWS...

NEW in 2019 !!!



DAY 2, 1100: Cedar Arrives at the Fire...



“Man, am I glad to see you!”



Incident Command Post (ICP)



ICPs

- Frequently established outside of land management units...schools, campgrounds, fairgrounds, ranches
- Good for reducing some impacts...noise, traffic, ground disturbance
- But can result in resource concerns...



DAY 2, 1115: Grouse Fire ICP...Weeds



Vehicles



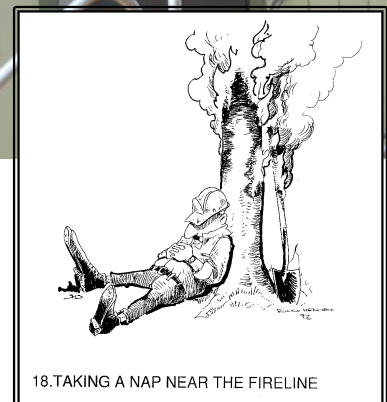
Supplies

People



DAY 2, 1120: Check-In

Proceed to check-in...get Jun an "O-Number"



18. TAKING A NAP NEAR THE FIRELINE

DAY 2, 1130: Cedar briefing from Jun

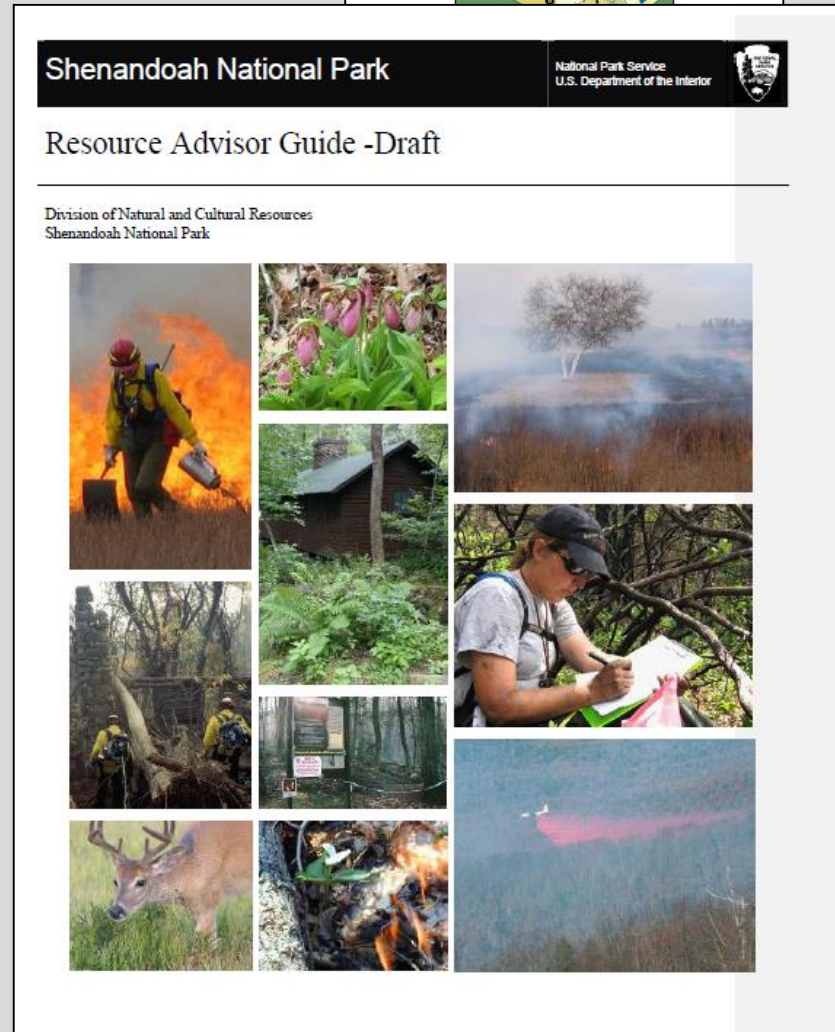
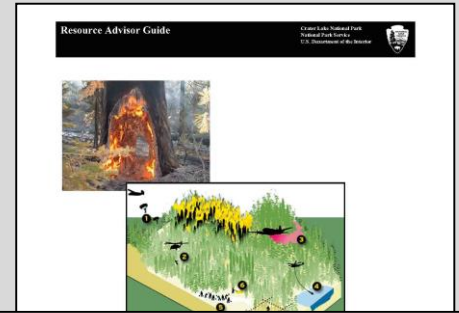
- Status to date...
- Copy of Delegation of Authority, WFDSS outputs
- Copies of park READ Guide and digital data



READ Guides

Distill resource-related issues from FMP into a condensed, easily-used document

- Fire regimes
- Standard approaches for fire management activities
- Resource-specific issues for fire management activities
- Maps
- Sensitive species lists
- Forms





DESERT TORTOISE & WILDLAND FIRE

DESERT TORTOISES ARE PROTECTED

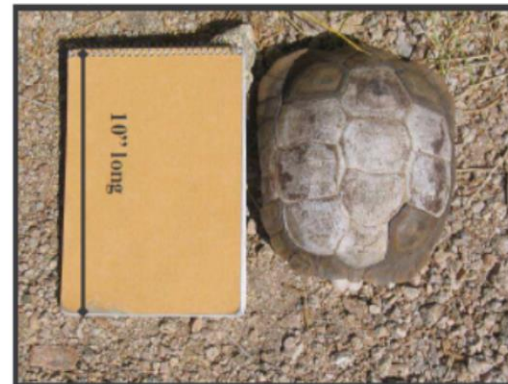
- Desert tortoises (*Gopherus agassizii*) are listed under the Endangered Species Act as a “threatened species”.
- They are protected against any form of “take” - “harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect or attempt to engage in any such conduct.”

TORTOISE FACTS

- They occur throughout the Mojave Desert. The best habitats are at elevations below 3500' but tortoises can be and have been found outside of that range (park biologists have observed several above 4400').
- Tortoises are slow growing creatures that range from the size of a silver dollar when they hatch to over 12" long later on in life. They have been known to live about 80 years in the wild.



This tortoise is approximately 1 year old.



This tortoise (est. 50 yrs) died a while before this photo was taken. Due to exposure to the elements some of the scutes have come off, revealing the bone shell underneath.

- Desert tortoises are vegetarians and rely heavily on native shrubs and grasses for both nutrition and water.
- They are well-adapted to the extremes of the desert and can withstand ground temperatures as high as 140° F.
- Tortoises excavate and occupy burrows to escape cold & hot weather. They will also utilize shade from boulders, vegetation and even vehicles.



Points to touch on when talking with the crews at morning and evening briefings.
Keep statements short and to the point. You don't have to hit on all of these points at every briefing.

Safety

- The Santa Monica Mountains are a dangerous fire-fighting landscape with steep slopes and canyons, erratic winds, and extreme fire behavior. There are many homes scattered throughout a wildland matrix with narrow roads and poor access. Communications may be limited in some canyons. **Always know where you are and have an escape plan.** Be prepared for wind shifts.

MIST

- Mediterranean ecosystems are exceptionally diverse in plant and animal species but they are easily degraded when soil is exposed and shrub cover is removed – please use a light touch when mopping-up and minimize impact to the area. Please refer to MIST guidelines in the IAP.

Archeology

- This park is dense with archeological sites. If you believe you've happened to find something that may be an historic or prehistoric artifact please take a GPS point and get that to the READ.
- Archeological sites and locations are confidential so please handle discretely. Artifacts are to be left where they are seen, context is everything for archeology and they are not souvenirs!

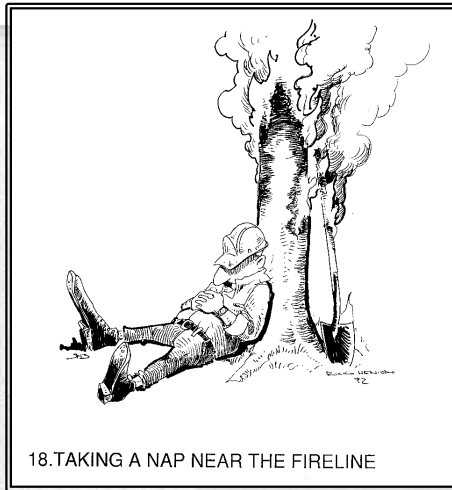
Wildlife

- Steelhead Trout and Red-Legged Frogs are federally listed species that occur in SAMO in some of the streams. Critical habitat for these endangered species is shown on the Retardant Avoidance Map. Any work, and fire retardant, should avoid these habitat areas. Whenever possible it is always good practice to avoid disturbance in stream corridors.
- Animals will flee, shelter in refugia, or be killed by the fire so there is a good chance you may encounter them on the fireline.
- Be aware of wildlife and drive carefully. This will help minimize hitting or killing animals that may be on the roads, especially at dawn and dusk. Watch for reptiles basking on or crossing roads during the middle of the day, and for amphibians during rain events.
- There are rattlesnakes at SAMO. Watch your step while hiking in all vegetation types, particularly along stream banks and around rocks and the edges of shrubs. Look before placing your hands under any rocks or trees to move them. If you see a rattlesnake, just let it be. They are generally afraid of humans, but may strike if stepped on or threatened.

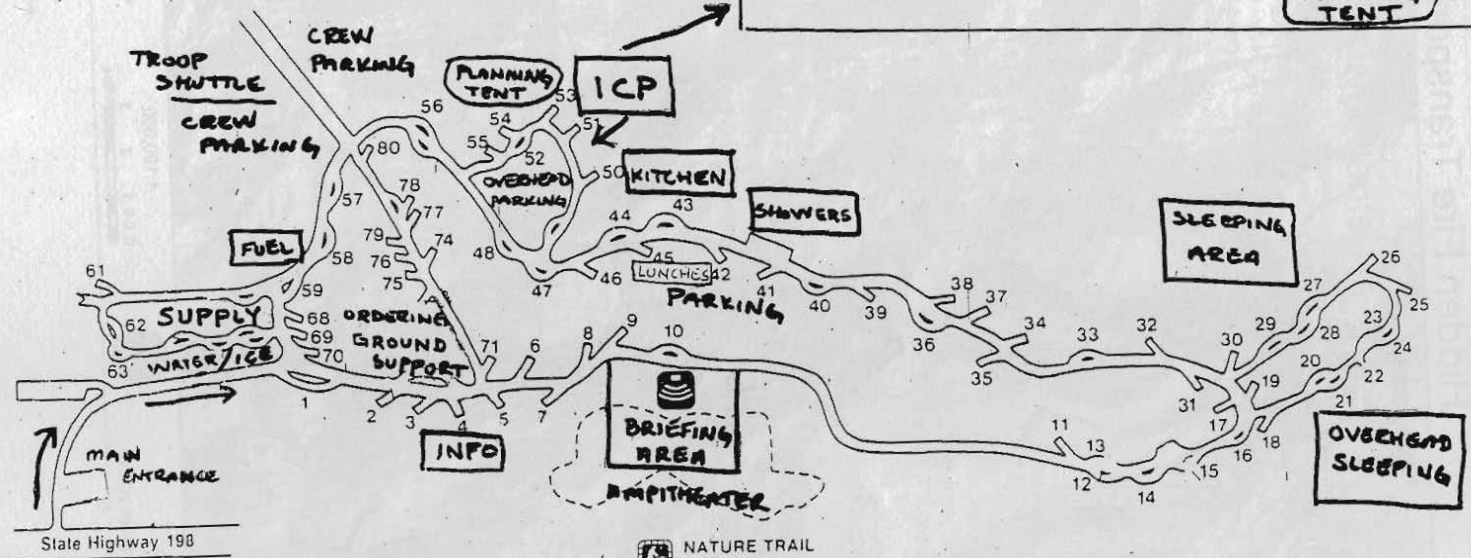
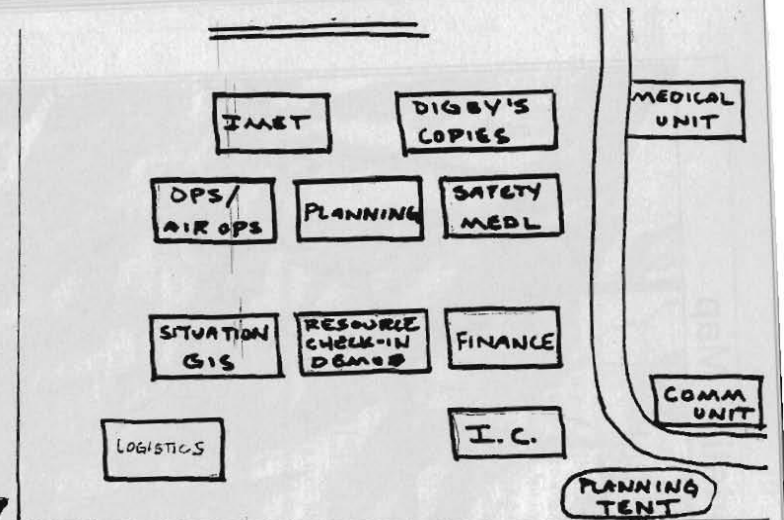
Weeds/Other Invasives

- Please visually inspect your boots, socks, clothing, tools, equipment and personal belongings for seeds and soil before heading out on the fireline or before you return to your home base. This will help us keep invasive plants from spreading within the park or moving outside to other areas.
- The **New Zealand mudsnail** is in some of our streams. Do not transfer mudsnails from an infected stream to another stream. You can avoid this most easily by staying out of the water. If you happen to get any gear wet in an infected stream, the only way to avoid moving the mudsnails, which are tiny and very hard to see, is by killing them through completely drying or freezing any gear that got wet for a minimum of 36 hours.


DAY 2, 1200: Kissing hands, shaking babies...



18. TAKING A NAP NEAR THE FIRELINE



PLEASE KEEP TABLES AND
CAMPSITES CLEAN

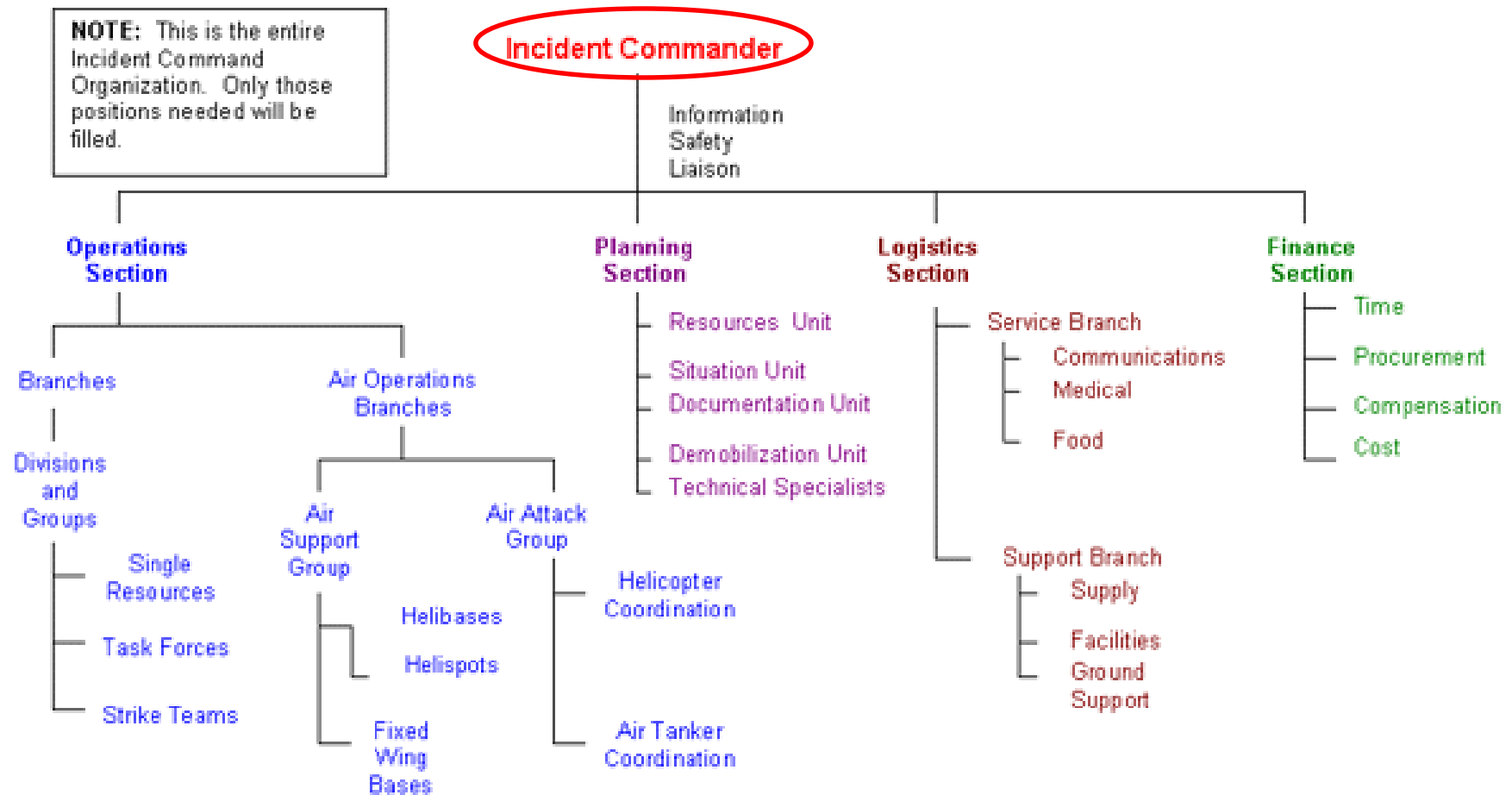
 NATURE TRAIL
Half Mile Long
Brochure available at
Fee Station or from a Park Ranger





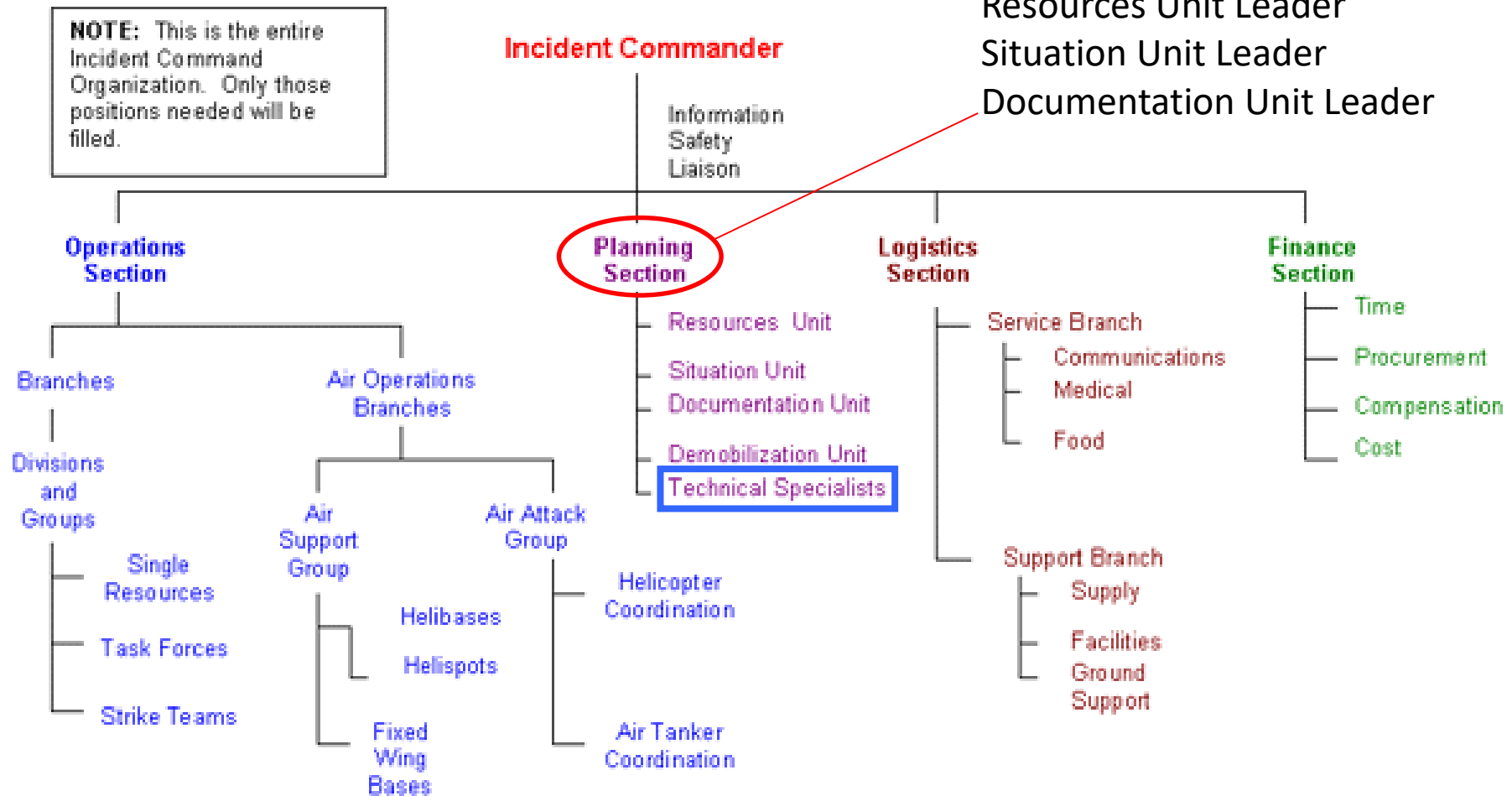
DAY 2, 1200: Pressing Flesh Cont.

Incident Command System Organization



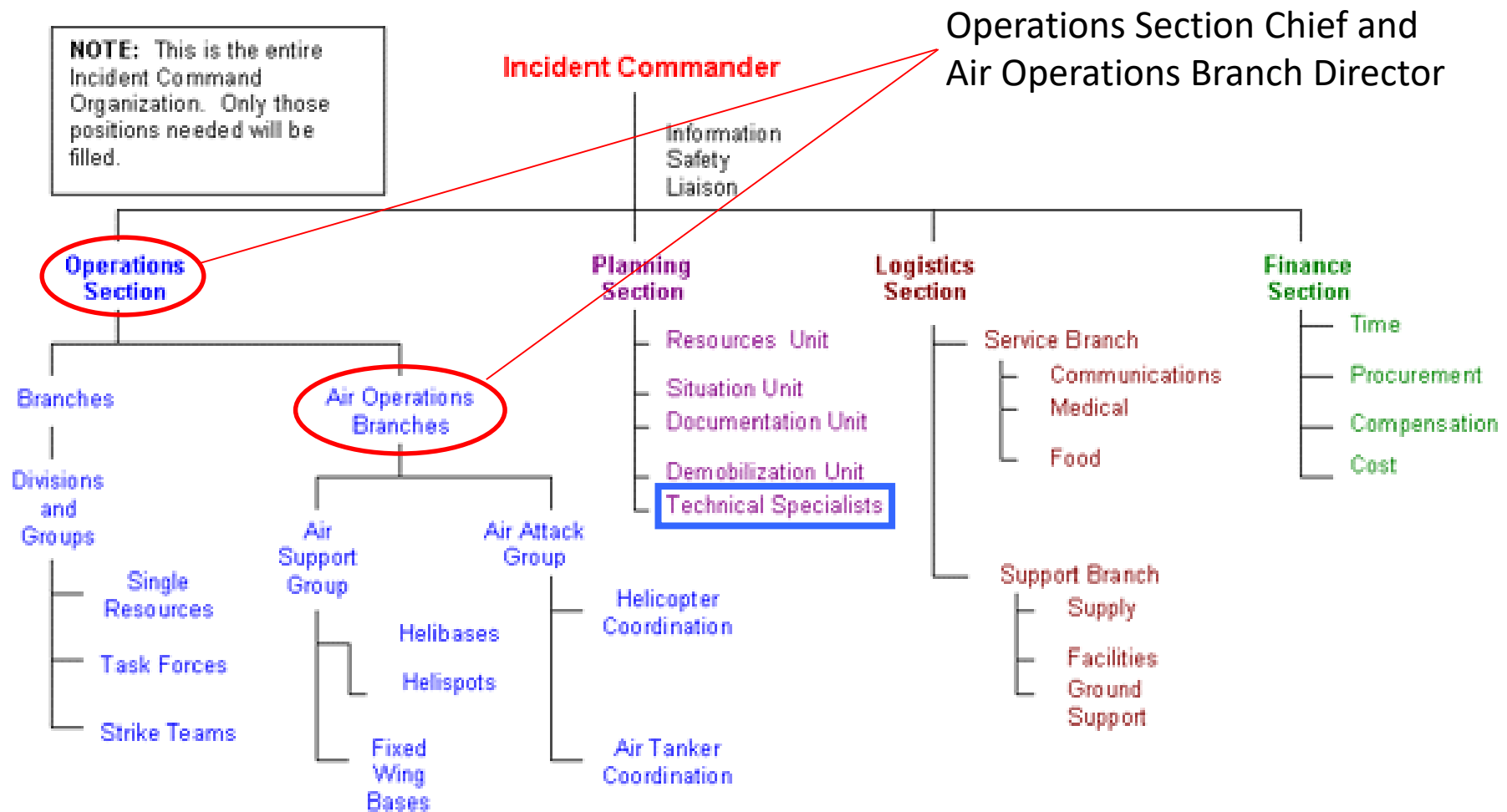
DAY 2, 1200: Pressing Flesh cont.

Incident Command System Organization



DAY 2, 1200: Pressing Flesh cont.

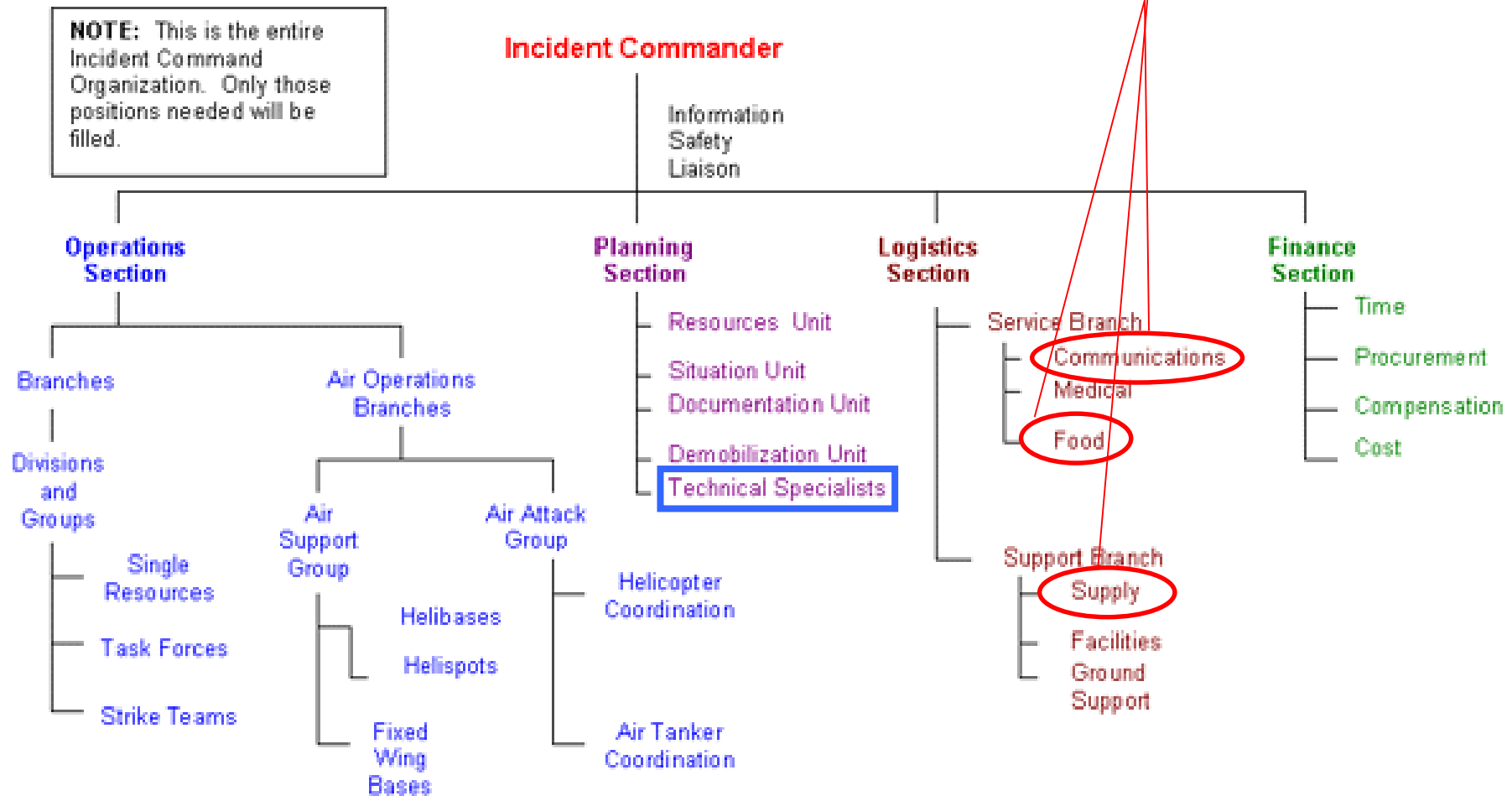
Incident Command System Organization



DAY 2, 1200: Pressing Flesh cont.

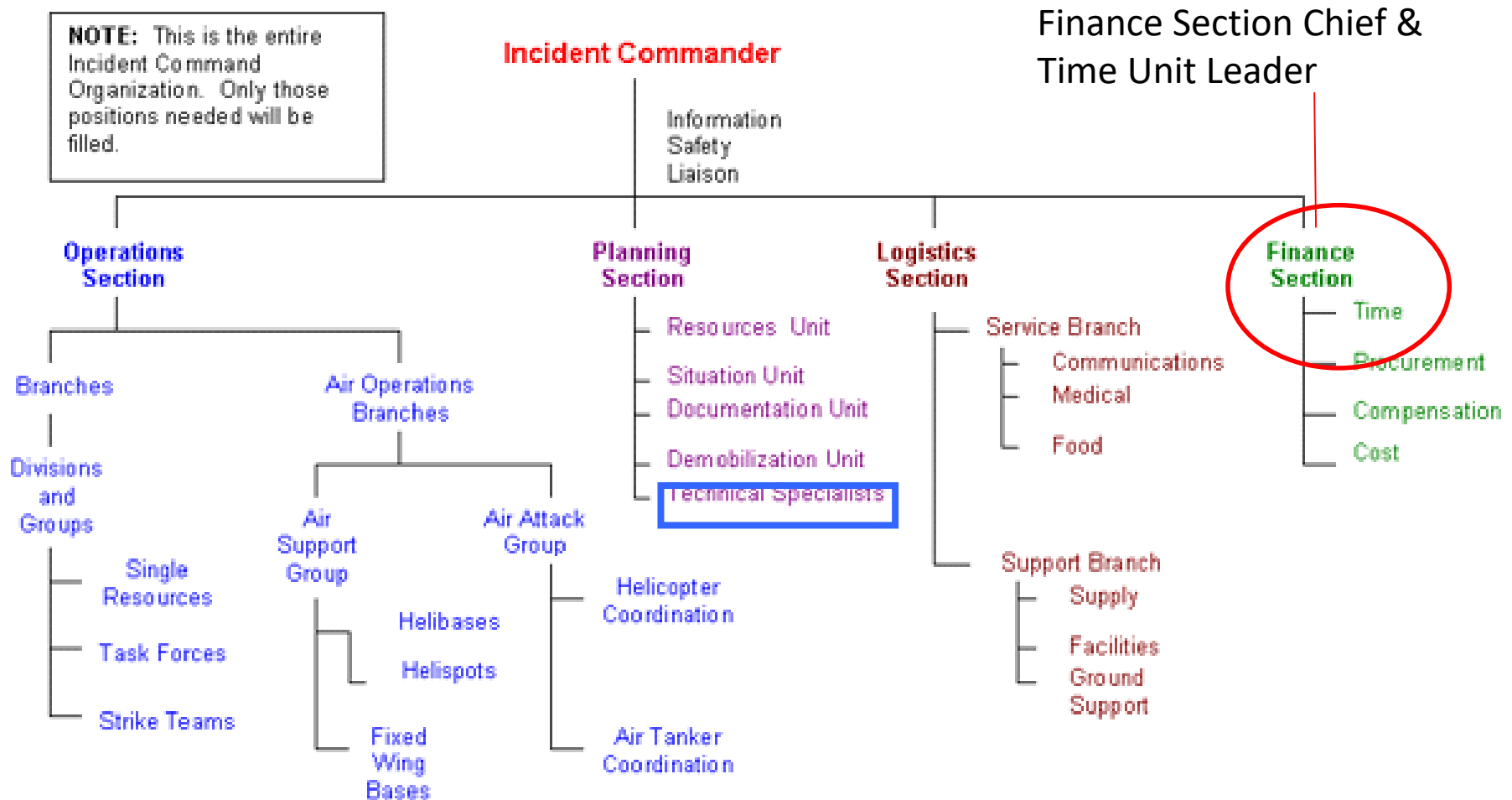
Incident Command System Organization

Communications= Radio
Food Unit Leader= Bears
Supply= Supplies



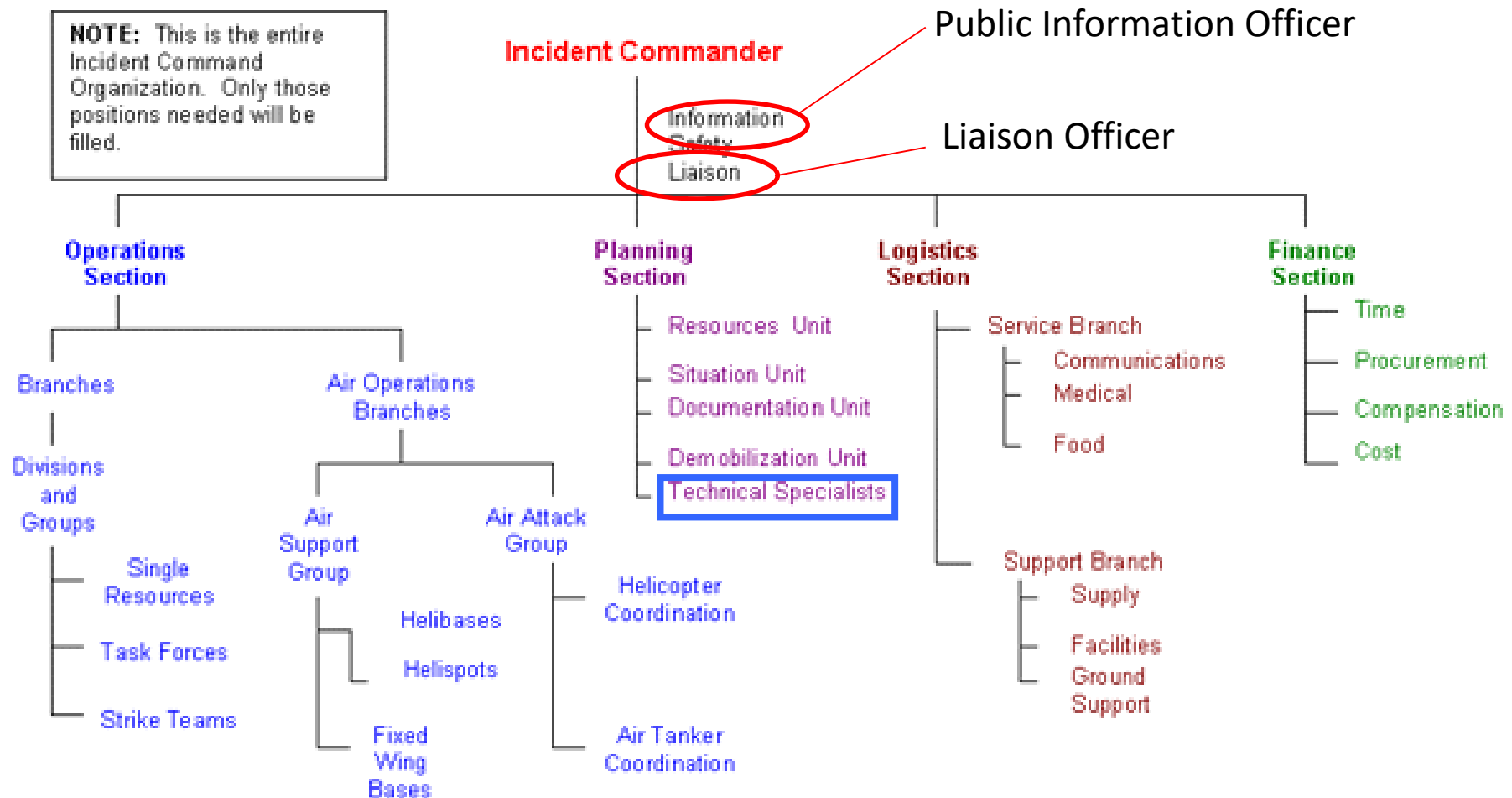
DAY 2, 1200: Pressing Flesh cont.

Incident Command System Organization



DAY 2, 1200: Pressing Flesh cont.

Incident Command System Organization



Cedar Drake – Lead Resource Advisor

Contact Information

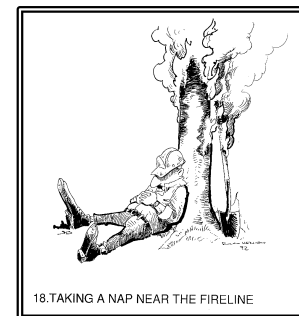
I am splitting my time between the ICP and Fire Management Office. I have no cell coverage at either locations, but do at various points in between (including my sleeping area). Try to contact me in the following ways:

Cell Phone = 360.567.8901

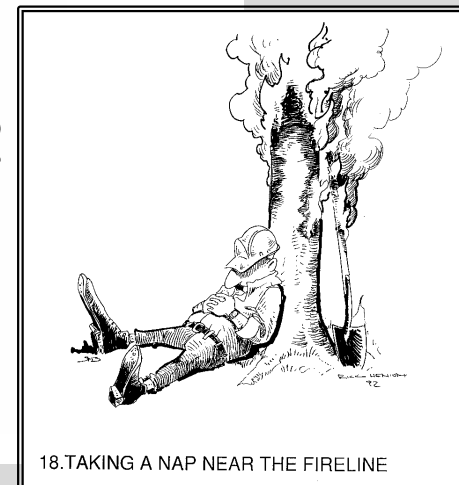
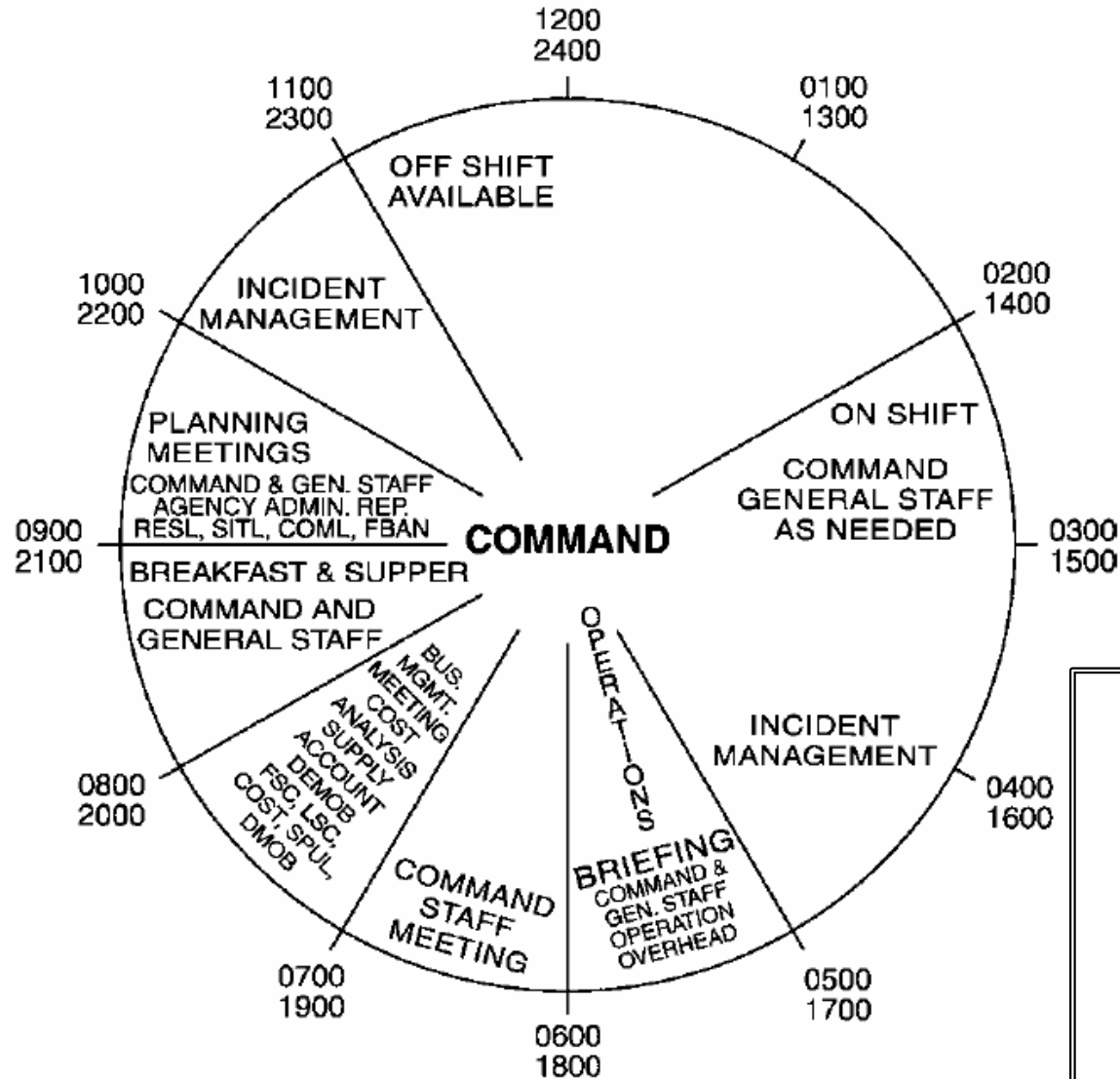
Fire Dispatch = 557.655.3456 (ask for Cedar)

Email = cedar_drake@nps.gov

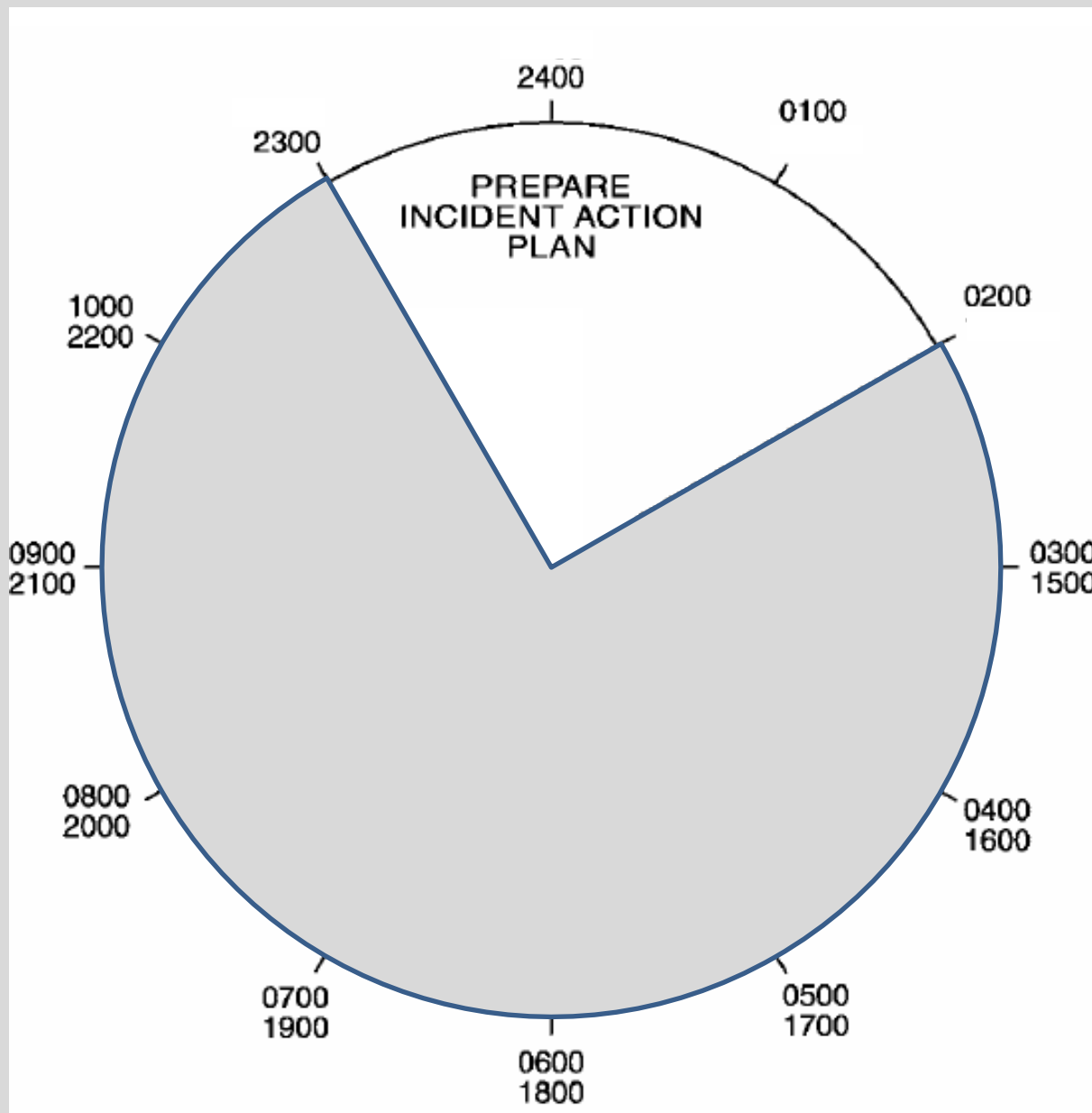
Radio = “Resource Advisor Drake”

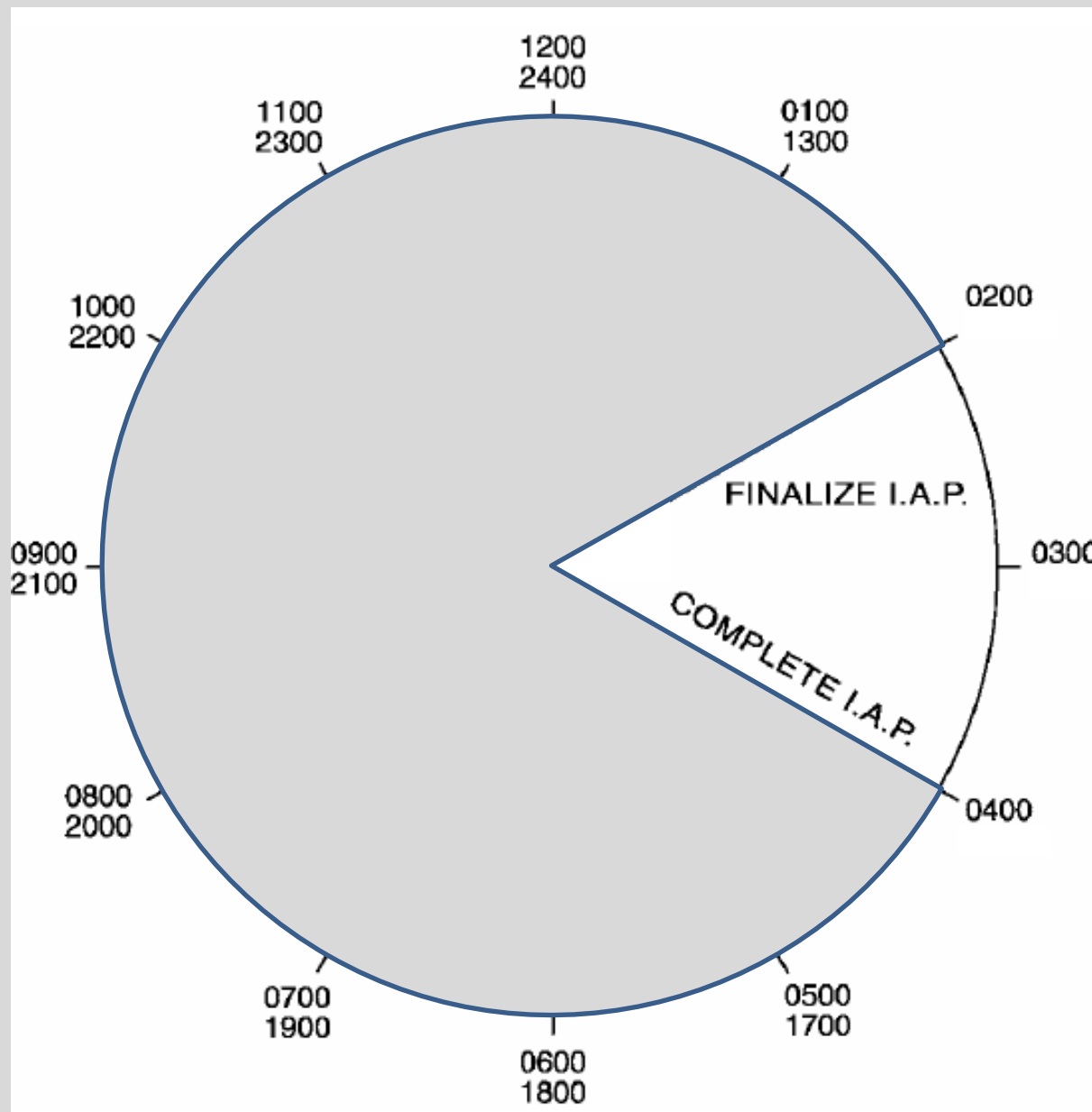


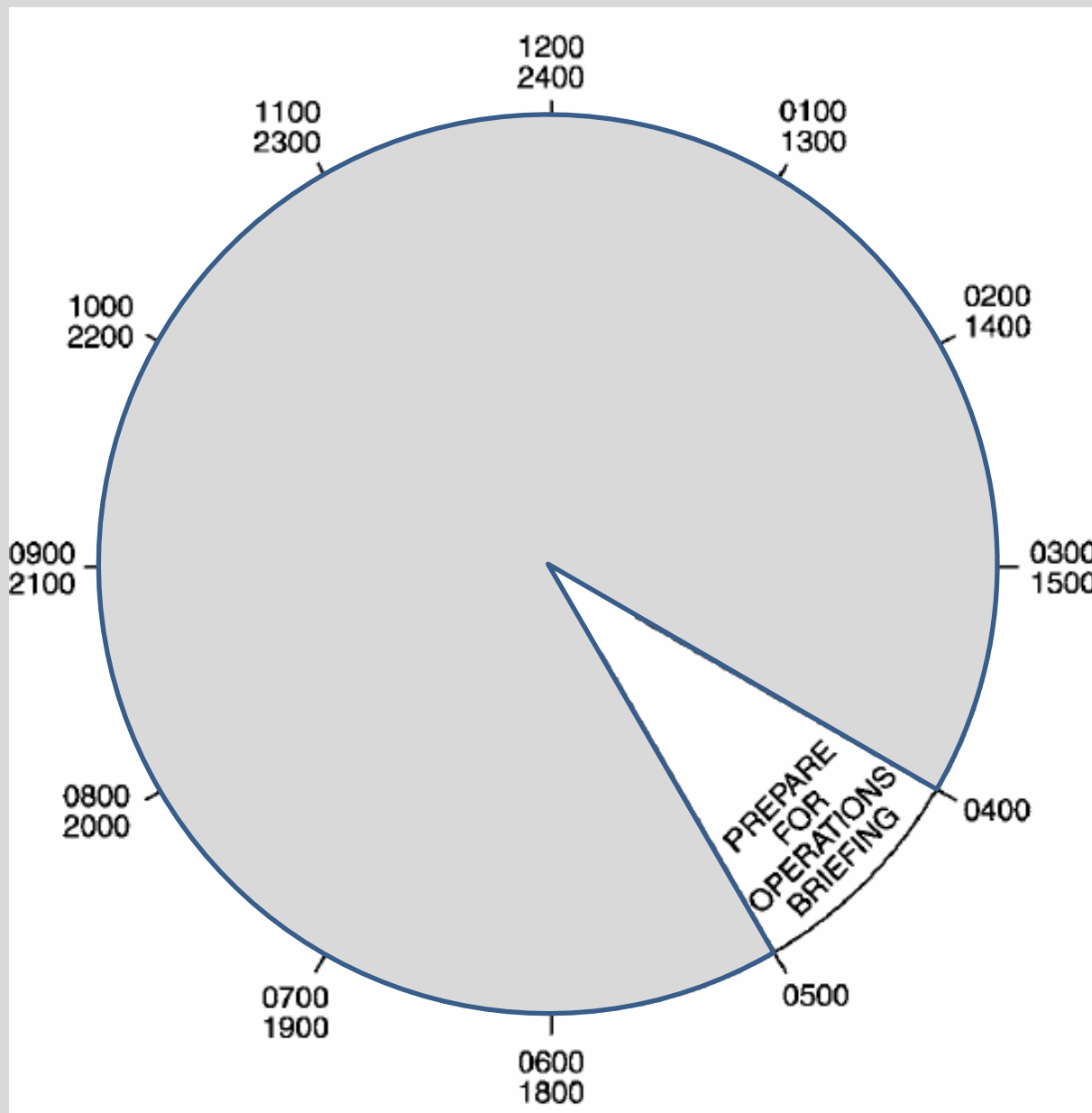
The Planning Cycle

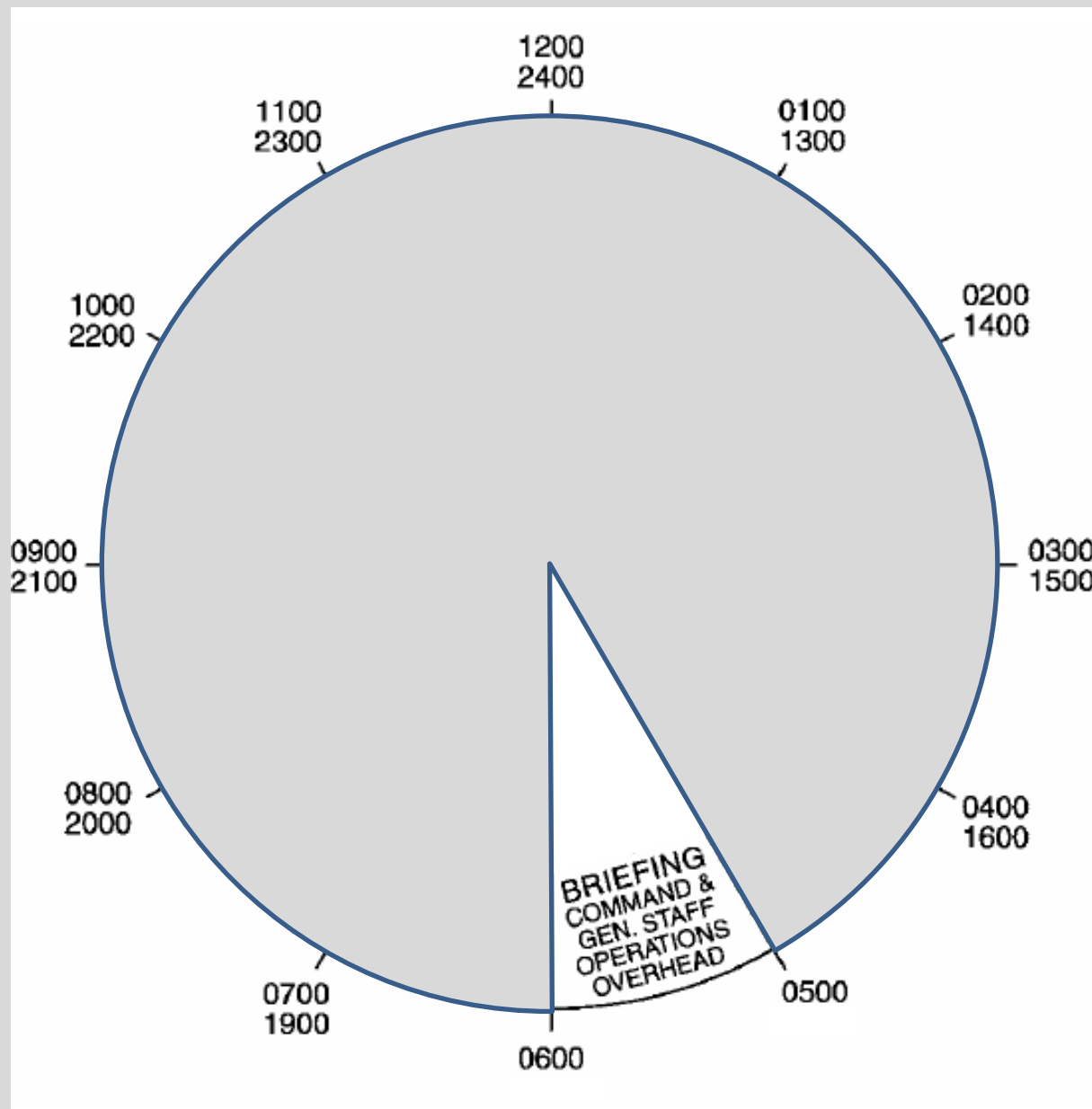


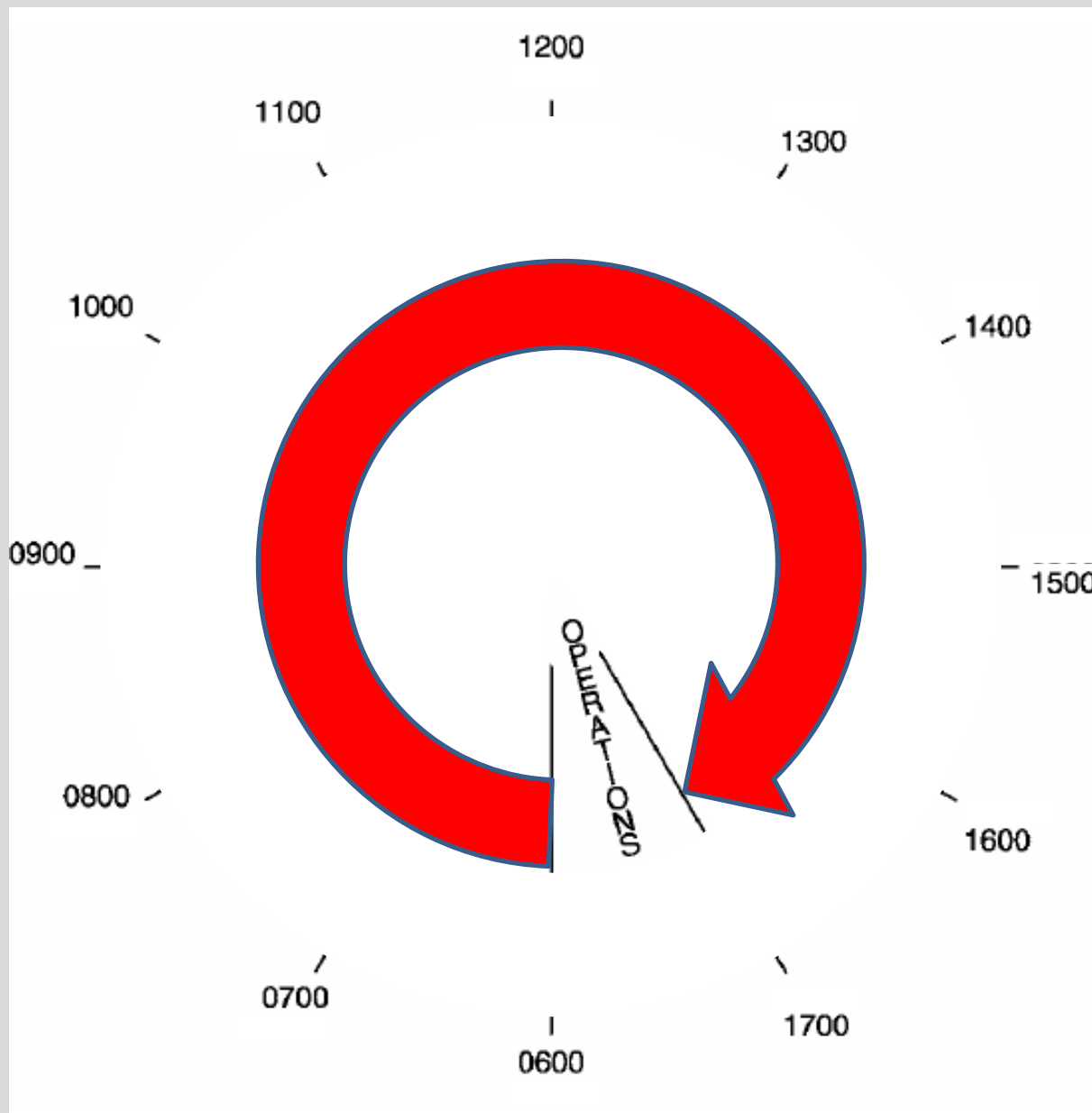
18. TAKING A NAP NEAR THE FIRELINE

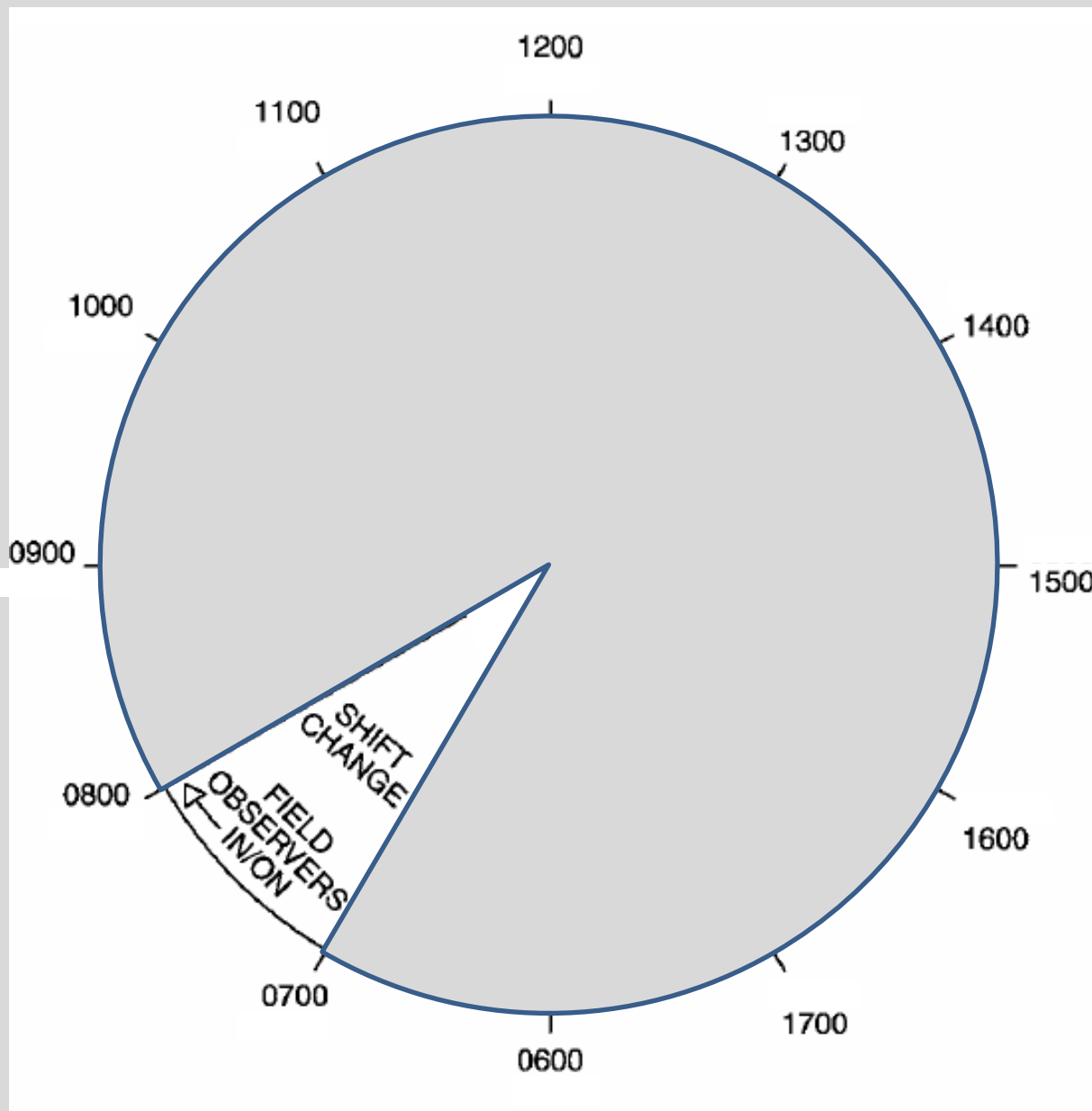


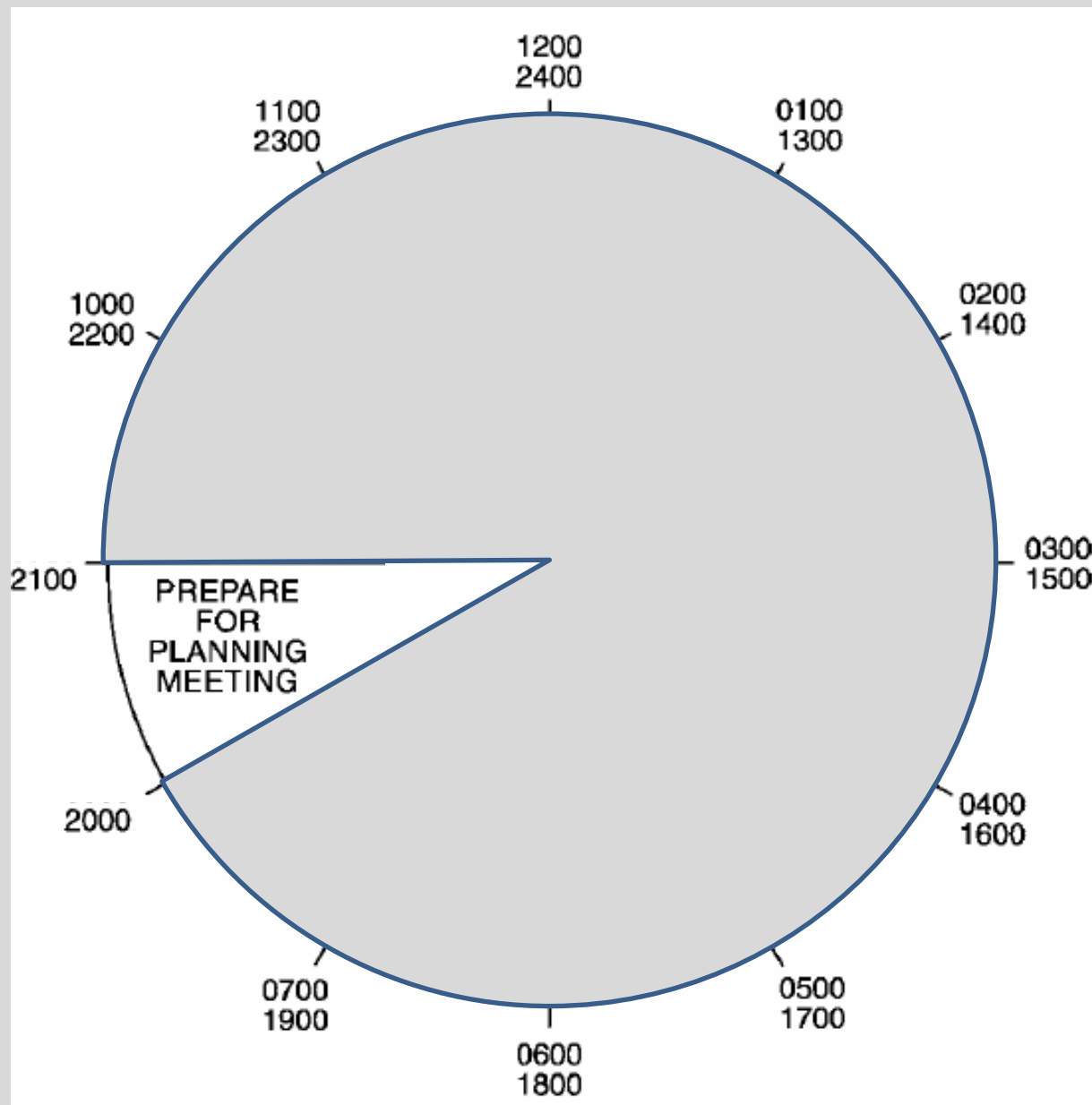


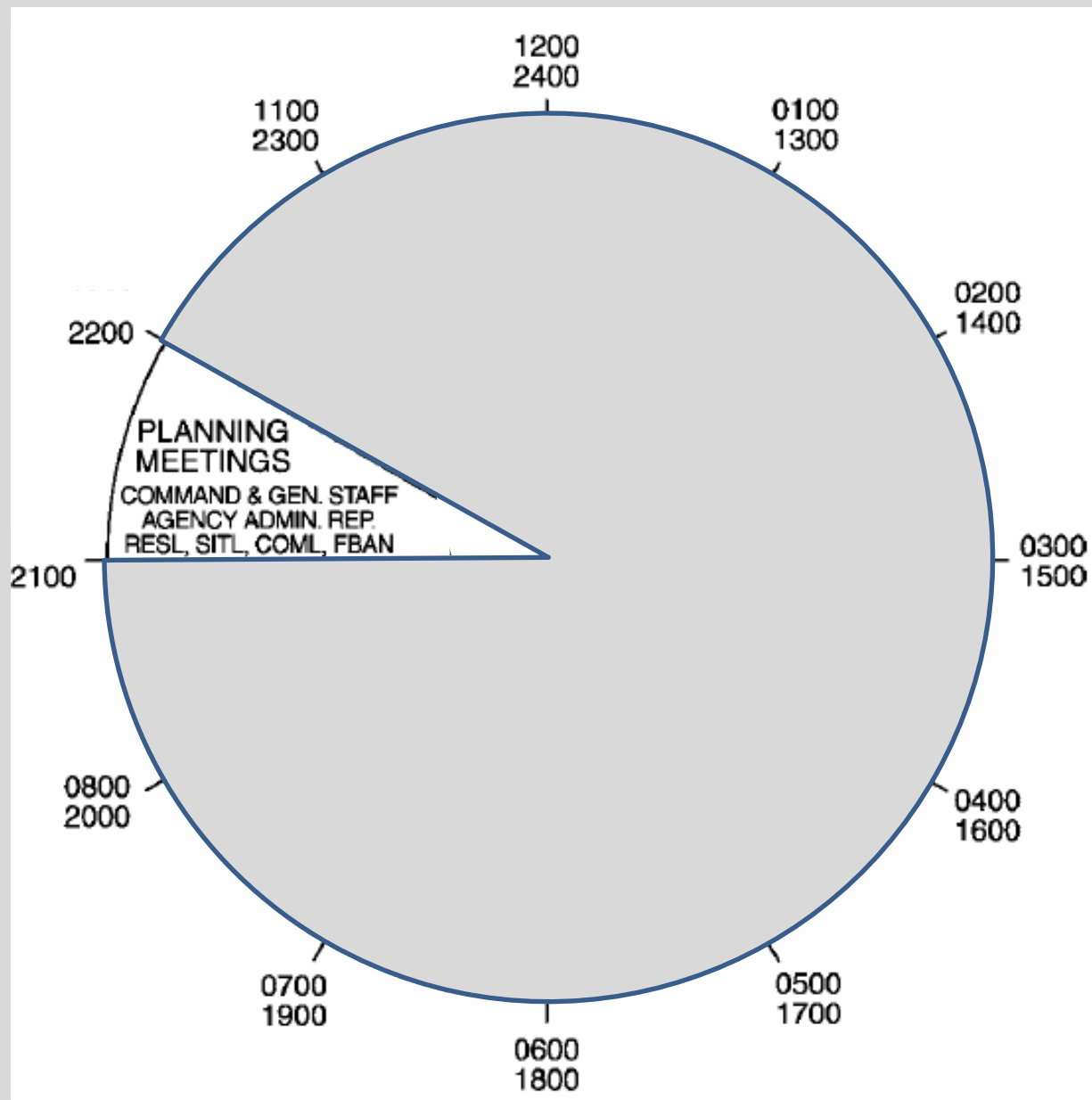


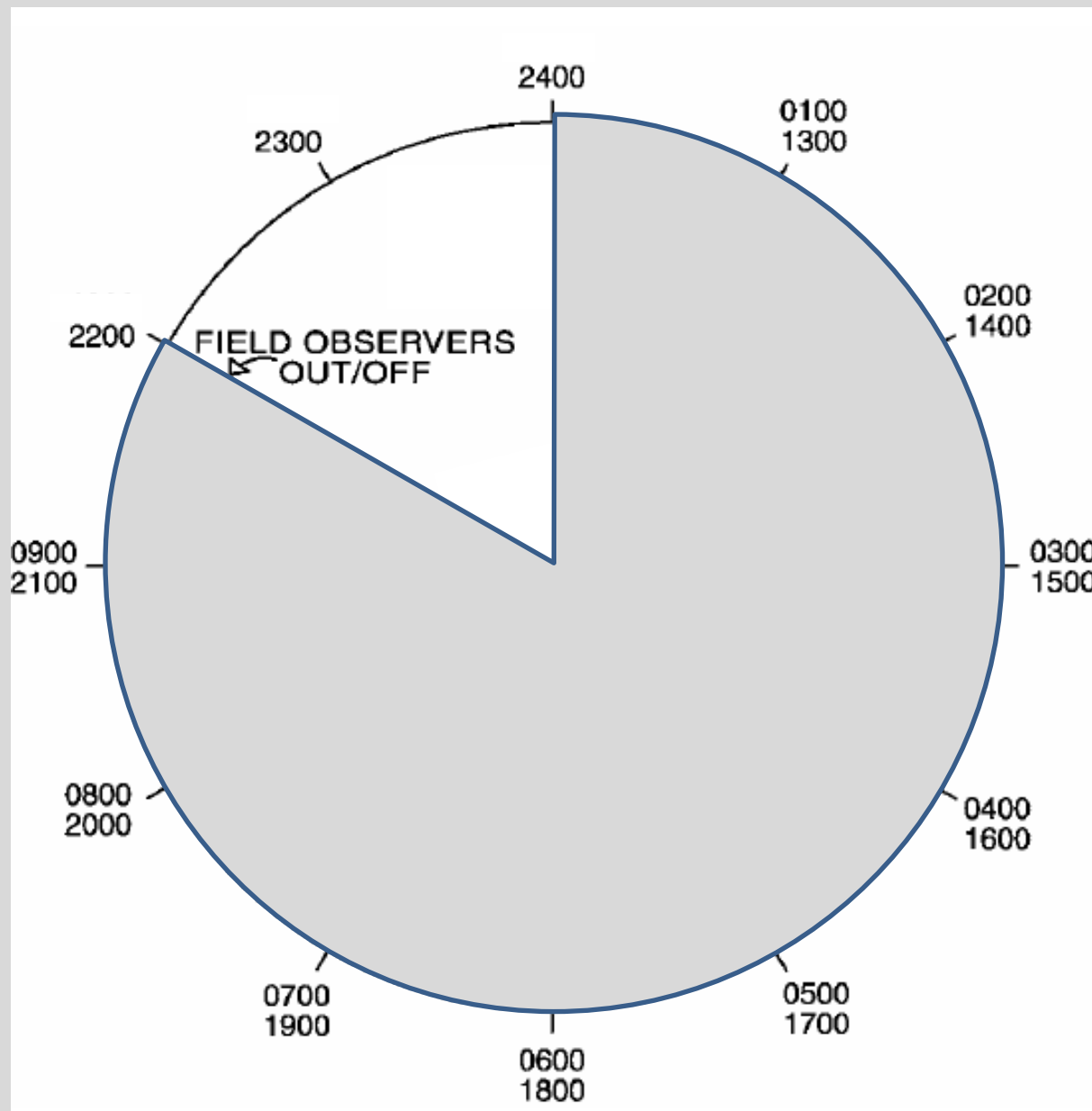


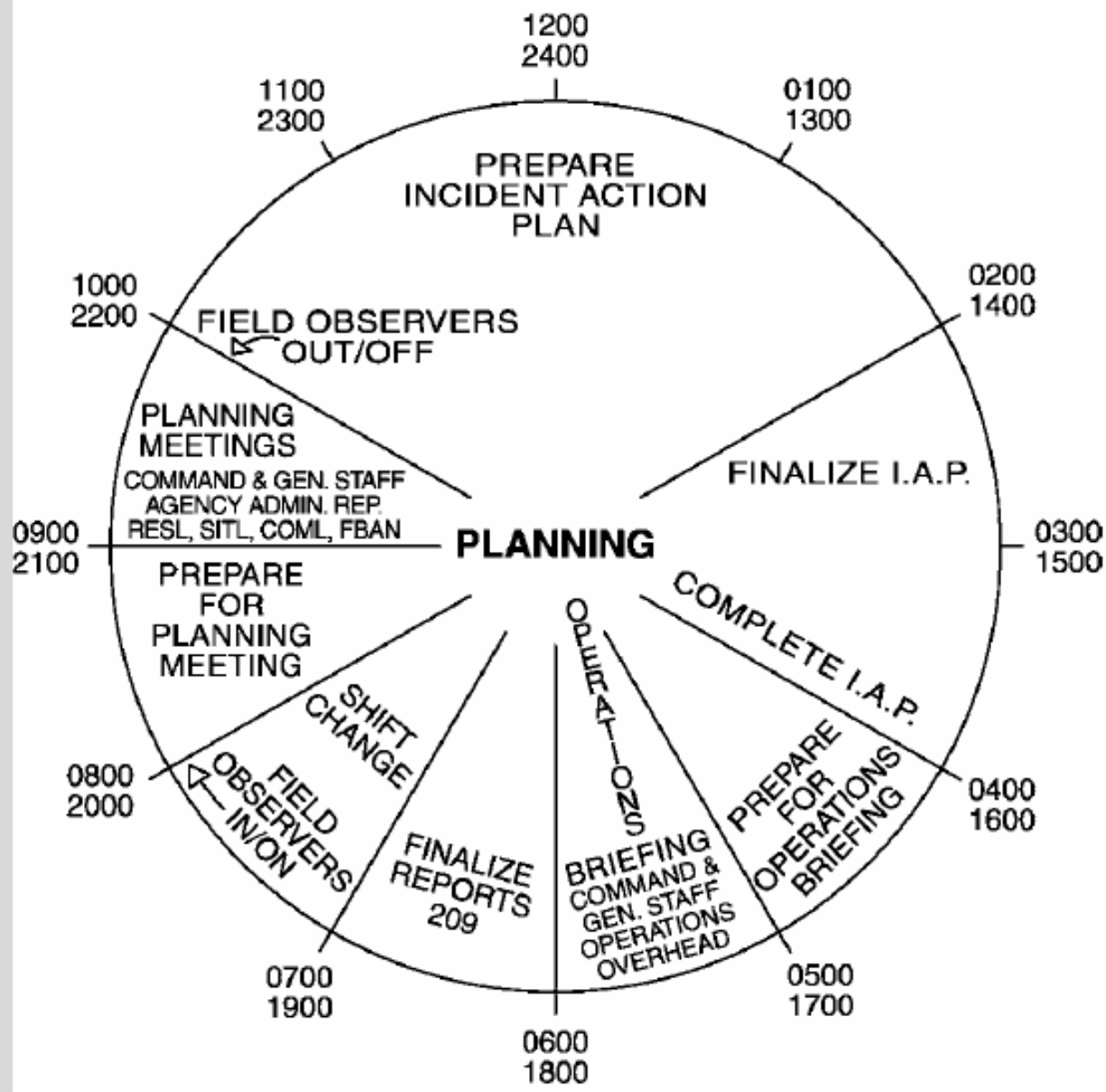




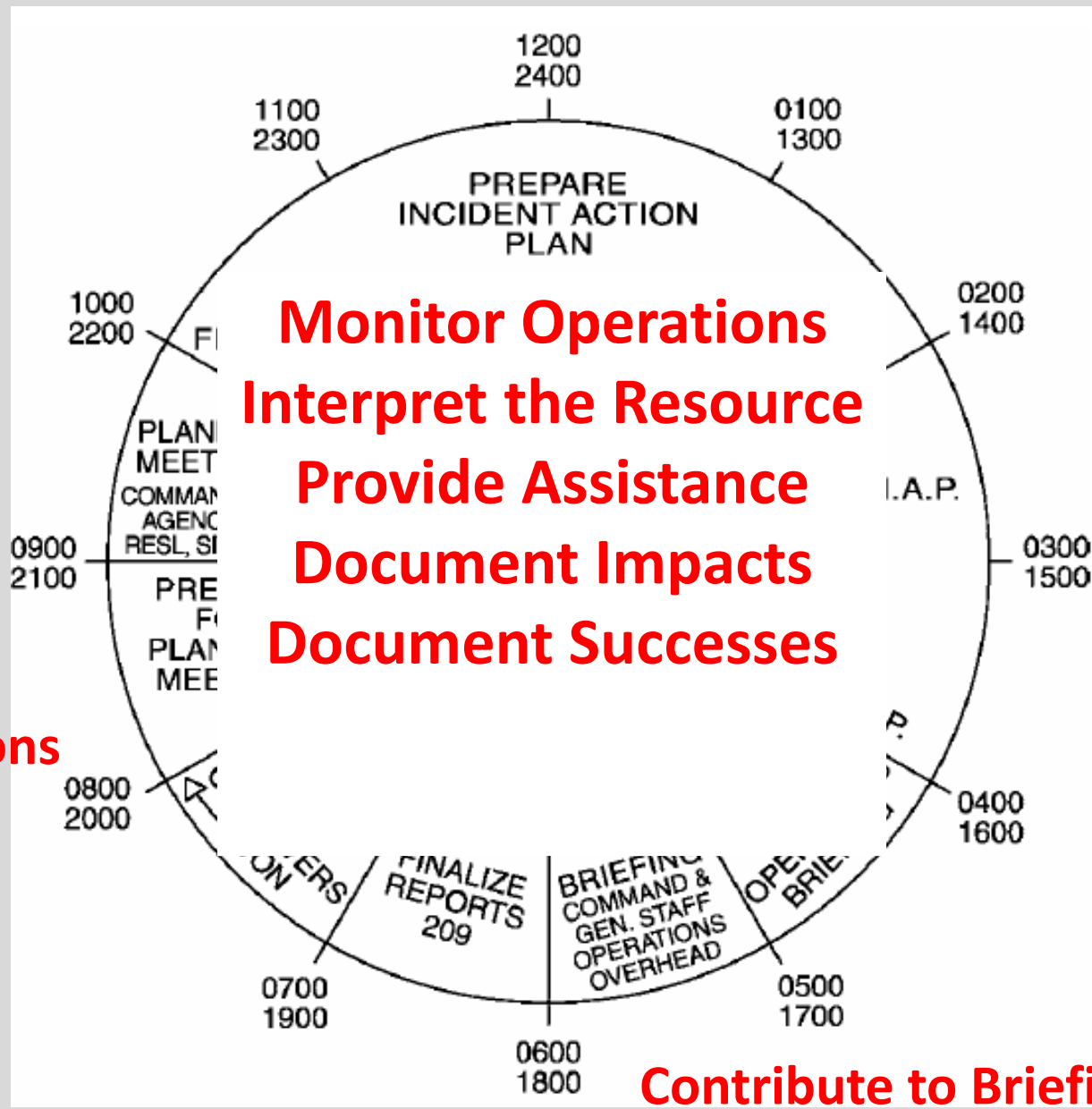






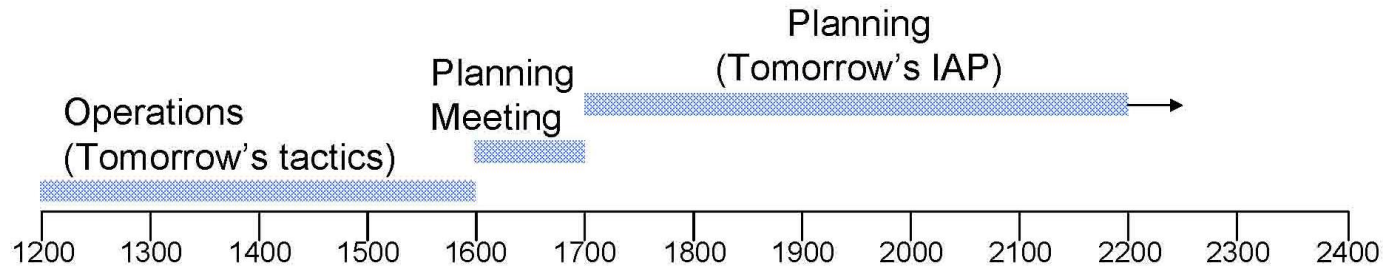


REAF Cycle

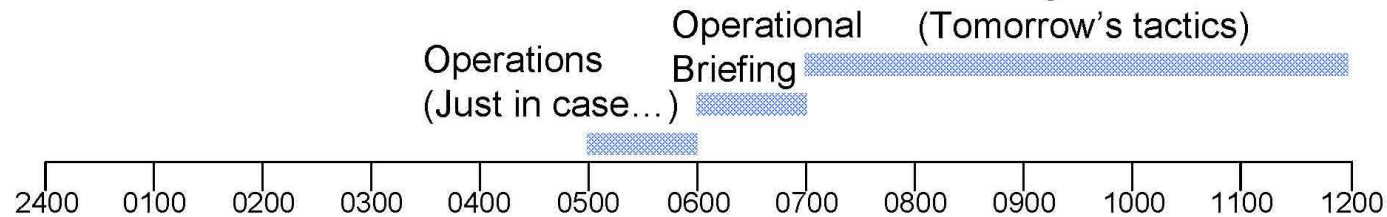
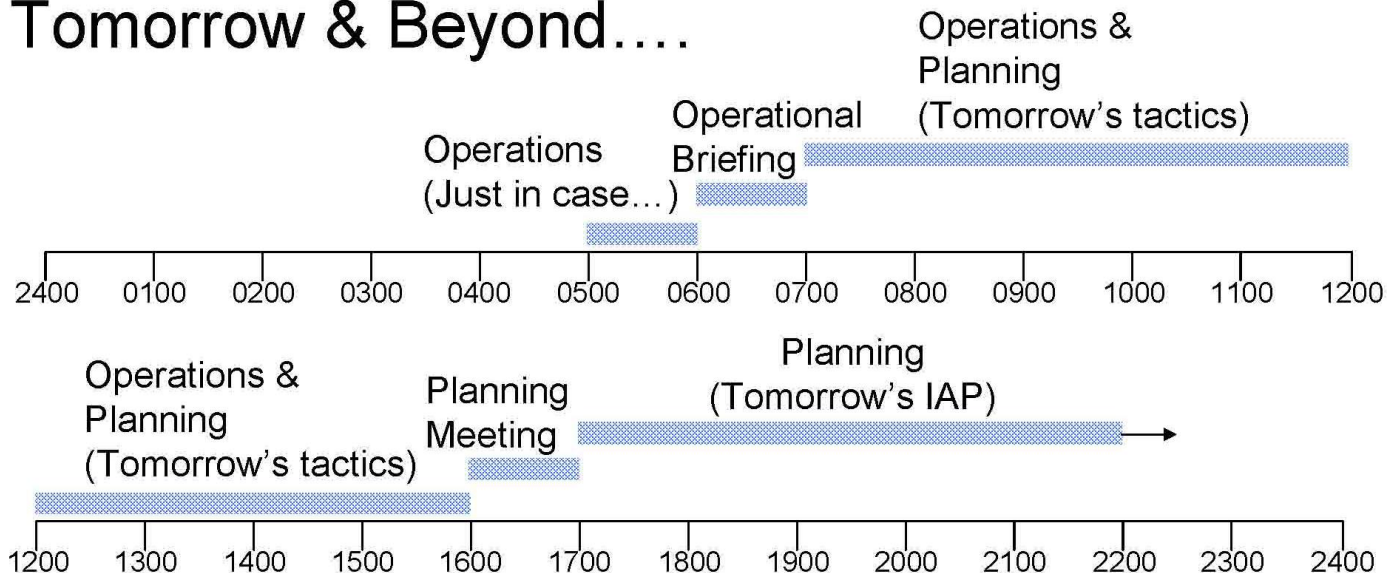


DAY 2, 1230: Grouse Fire Planning "Cycle"

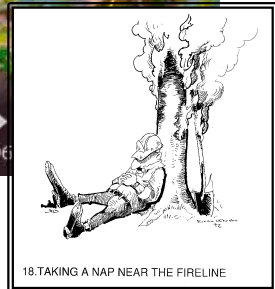
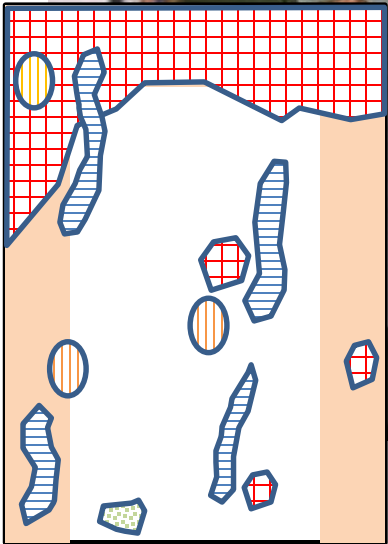
Today....



Tomorrow & Beyond....



DAY 2, 1200 to 1600: Tomorrow's Tactics (aka Pre-Planning Meeting)



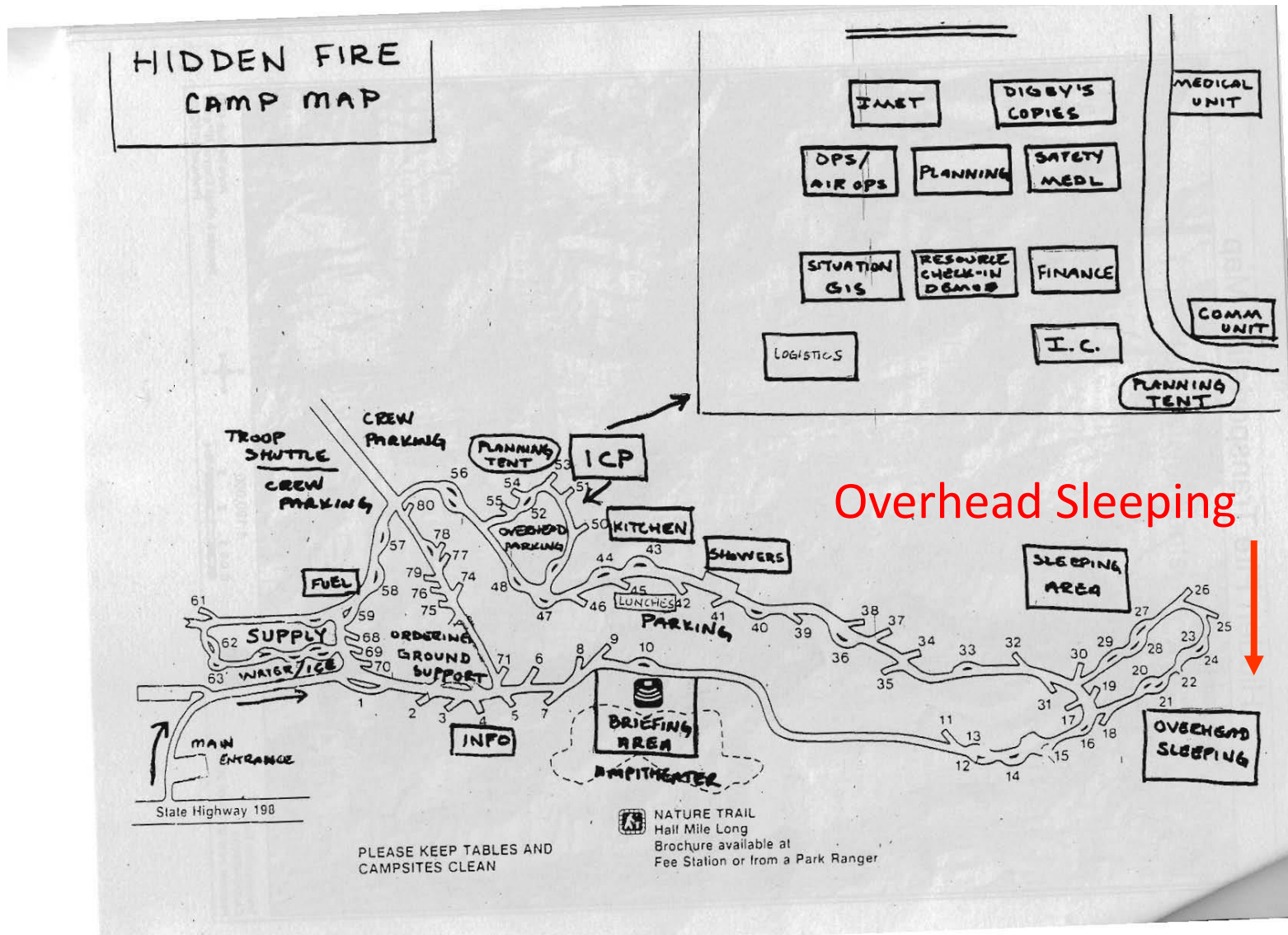
18. TAKING A NAP NEAR THE FIRELINE

DAY 2, 1200 to 1600: Tomorrow's Tactics, READ Input

- Don't speak unless spoken to...fly on the wall. Interject when called upon and/or windows of opportunity
- OPS talks about the difficulty of holding the fire on the NW corner of the box (ridge between Bee Creek and Beaver River)...steep, lots of fuel, dangerous for crews
 - Q: Can we use fire retardant?
 - A: Yes, but has to be on the crest of the ridge or on the Beaver River side
- IC stops by...he and OPS are clearly apprehensive about this situation. AREP and Cedar note this as a potential emerging problem

DAY 2, 1400: Cedar & Incoming READs

Get outfitted: radios, sleeping area, etc.





DAY 2, 1600: Planning Meeting



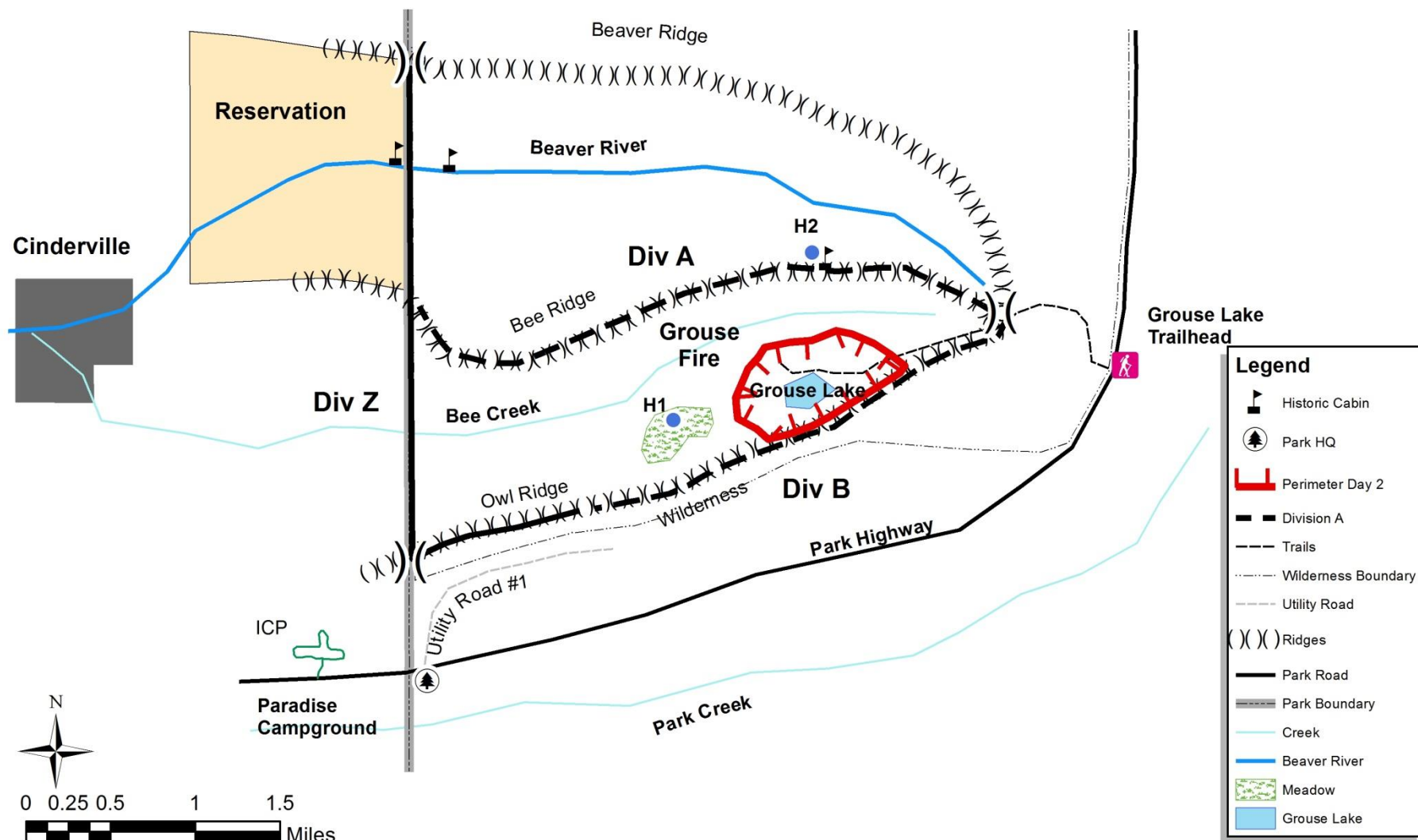
18. TAKING A NAP NEAR THE FIRELINE

1600 Planning Meeting cont.

- Attendees: Command & General Staff, RESL, SITL, COML, AOBD, AREP, READ
- Update on current conditions
- Objectives, strategies and tactics for next operational period unveiled
- Deadline for IAP submissions
- “Do you support the plan?”



Grouse Fire Situation: Day 2, 1600

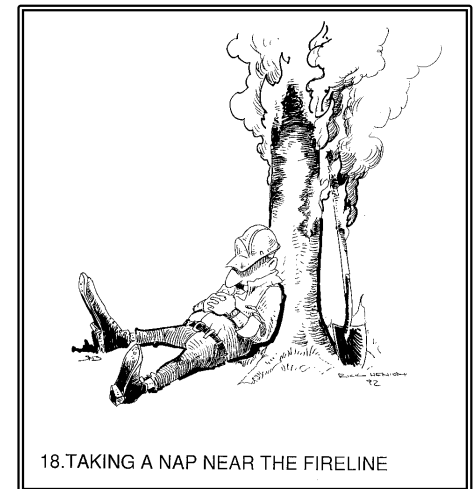


1600 Planning Meeting cont.

- READ input for Grouse Fire:
 - Introduce myself, availability, contact information
 - We will have 10 Resource Advisors on this fire, including me; seven REAFs on the line and three READs at the ICP. Two Line REAFs on each Division & Jun Kinoshita will serve as the lead REAF.
 - Indicate I have been meeting with OPS to address resource issues; still need to meet with FDUL to discuss food storage needs.
 - What can we do for you?
 - We support the plan!

DAY 2, 1700: Convene REAFs

- Brief REAFs on objectives, strategies and tactics for tomorrow's operational period
 - Obtain incident map from Situation Unit
- Go over protocols, reporting, logistics, etc.
- REAF share resource issues, operational updates, and concerns
- Problem-solving
- Safety concerns
- Tomorrow's assignments

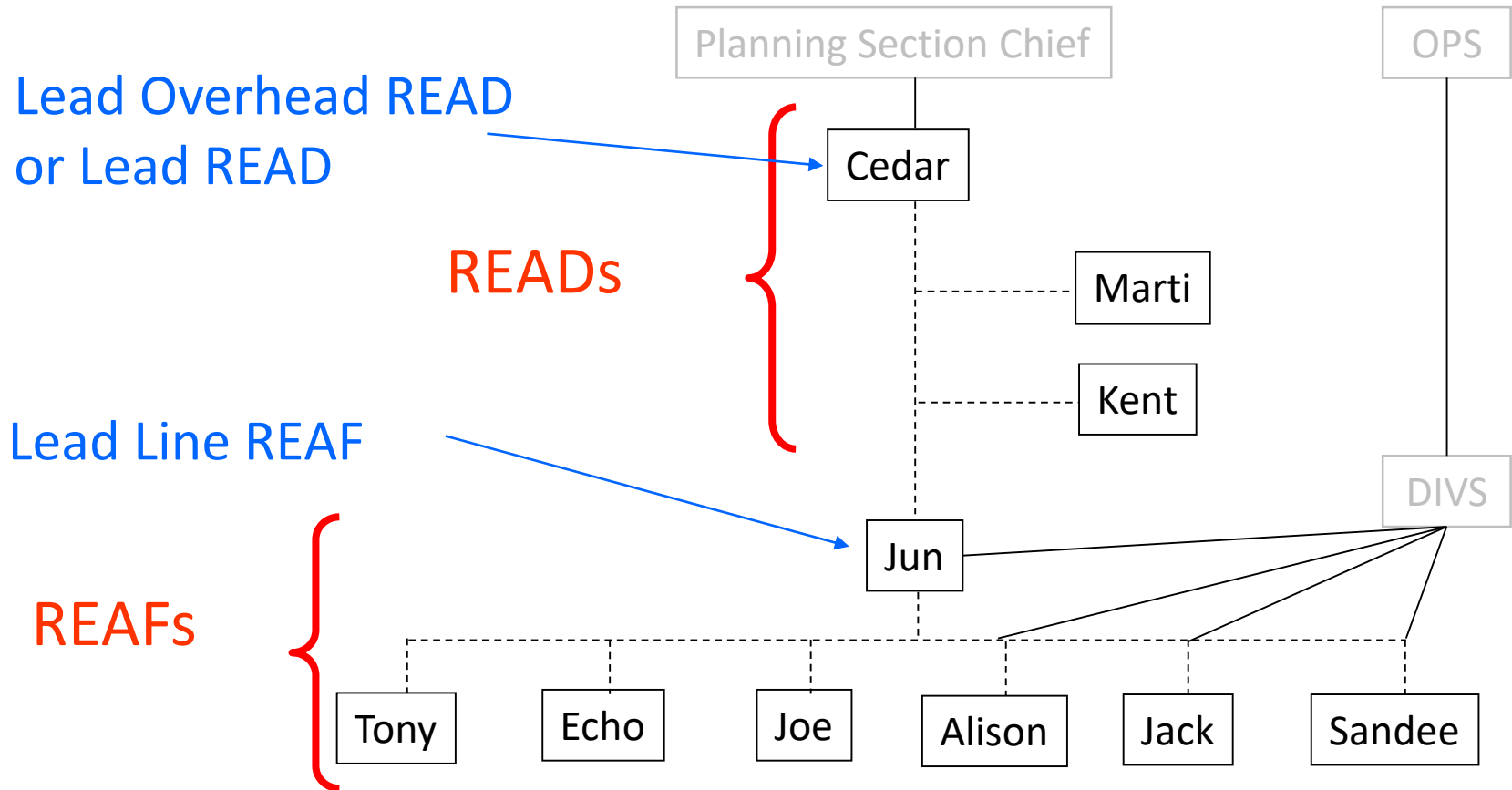




Death by a thousand snacks



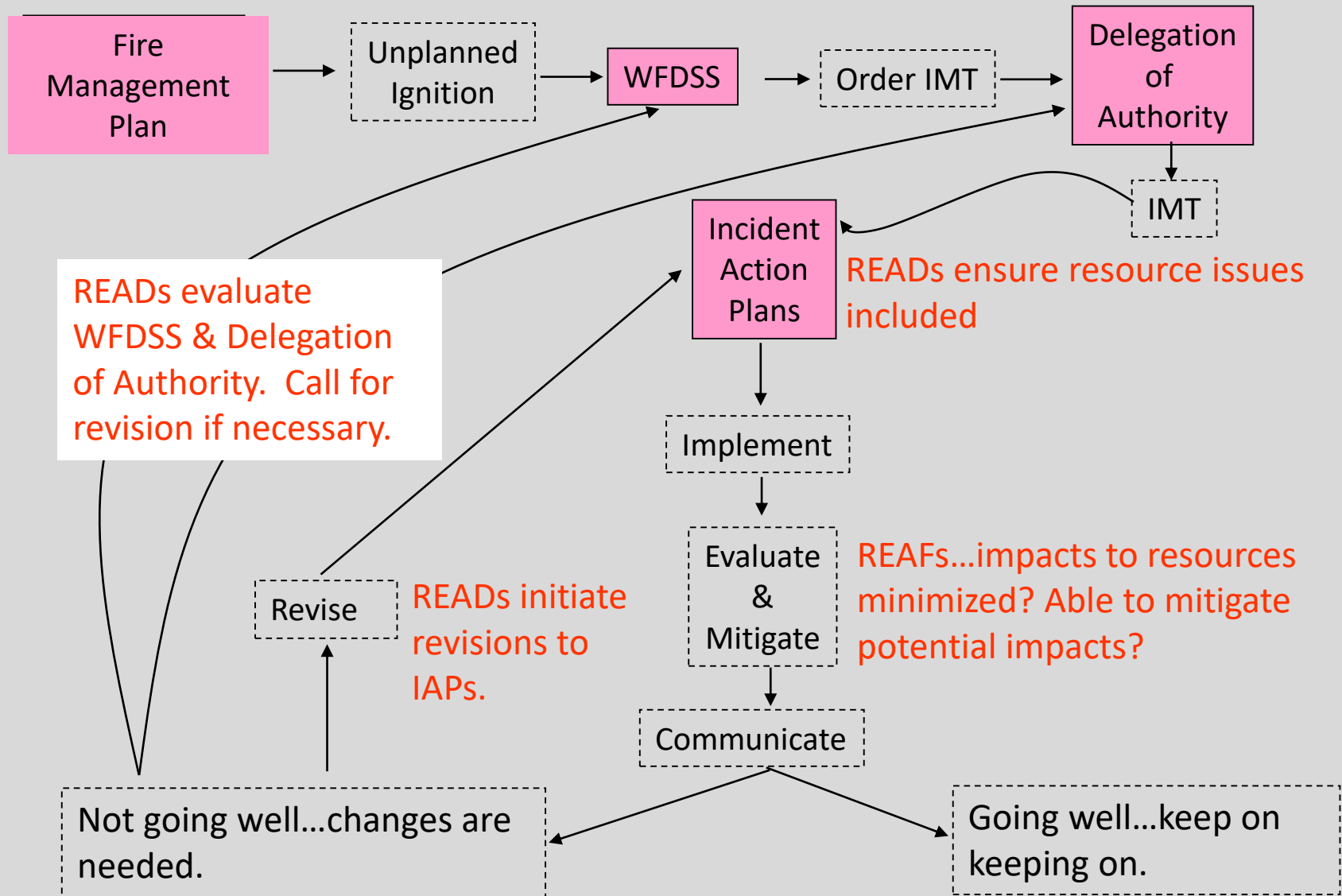
DAY 2, 1730: READ Organization



----- Lines of communication

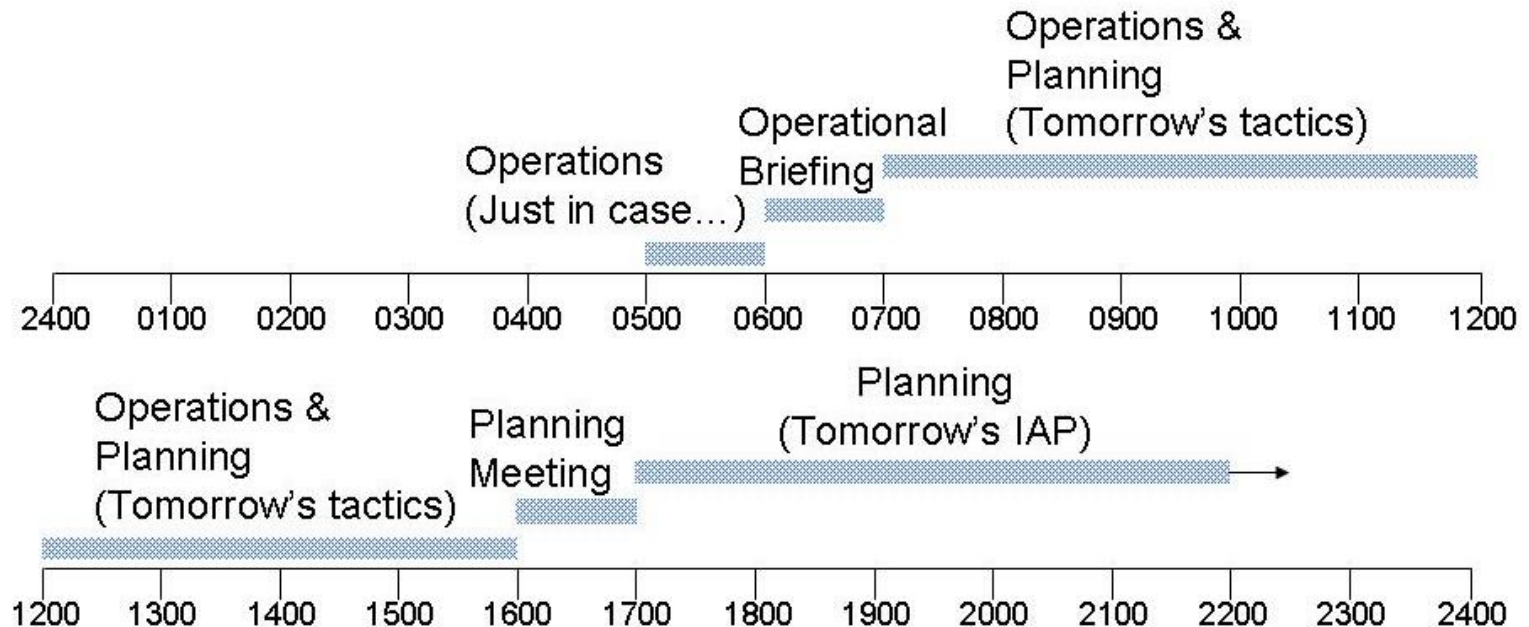
———— Lines of supervision

READ Adaptive Management Cycle



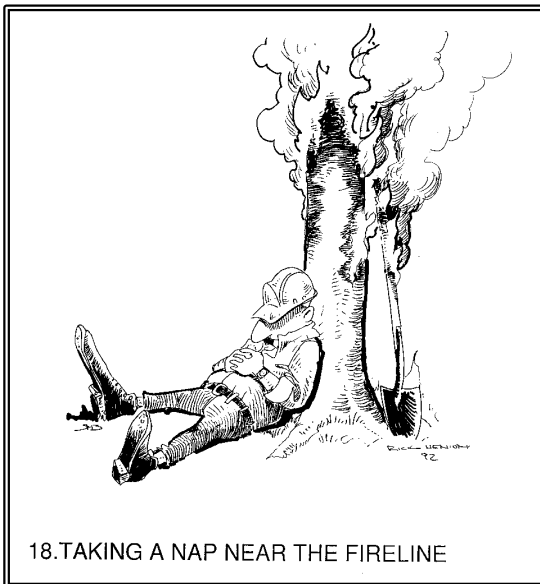
DAY 2, 1800: READ Assignments

- Cedar–Lead READ
 - Meetings
 - Briefings
 - Planning

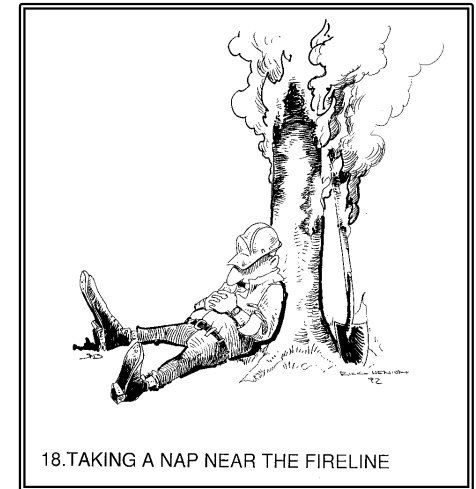
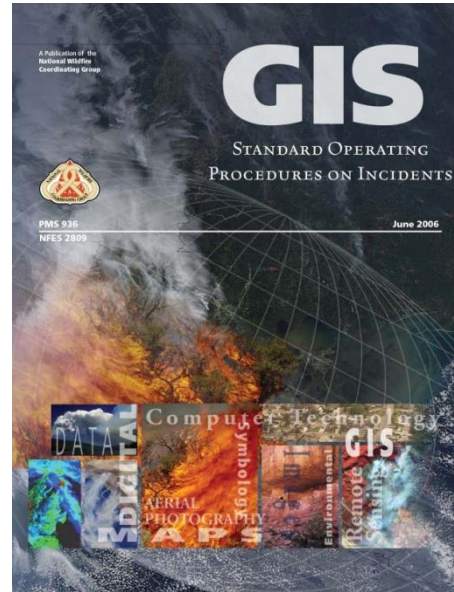


DAY 2, 1800: READ Assignments cont.

- Marti- Deputy READ
 - Documentation...archiving, To-Do Lists.
 - Research for resource advising, suppression damage repair, BAER, BAR, etc.
 - Covering for Cedar



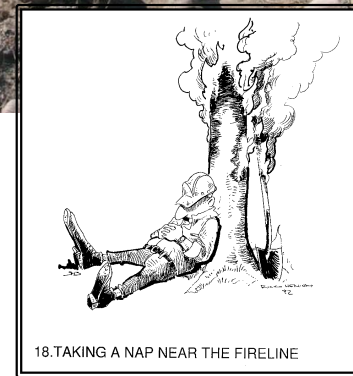
DAY 2, 1800: READ Assignments cont.



- Kent-GISS
 - Acquiring, managing and producing spatial data/products for natural and cultural resource maps, suppression damage repair, BAER, BAR, etc.
 - Works closely with IMT's Geographic Information System Specialists (GISS)
 - May do some fireline work as well...data acquisition

DAY 2, 1800: REAF Assignments

- Assigned by divisions
- Need-based...put subject-matter experts in appropriate locations
- Promote ownership
 - Know the ground
 - Know the issues
 - Know the people
- Pair-up for safety and increased effectiveness



18. TAKING A NAP NEAR THE FIRELINE

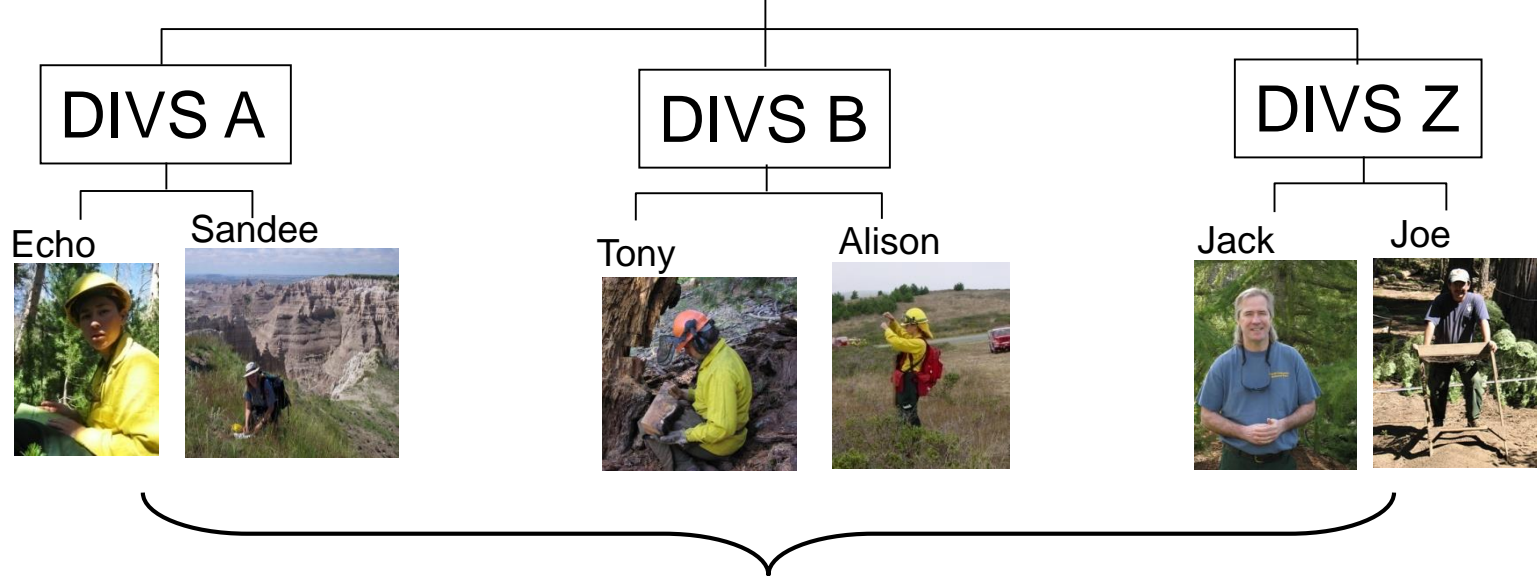
DAY 2, 1800: REAF Assignments cont.



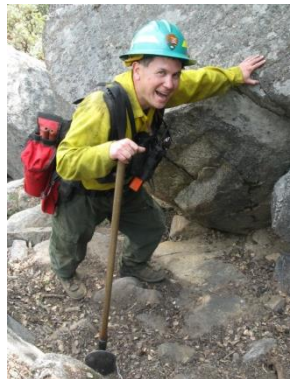
Jun

- Floating between Divisions
- Trouble-shooter, mediator, counselor, etc.
- Point of contact for Cedar to/from REAFs & DIVS

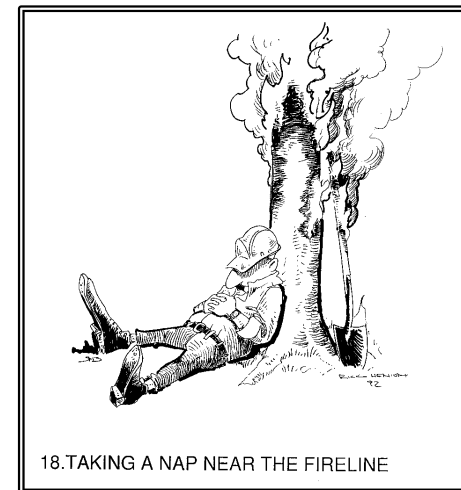
OPERATIONS SECTION CHIEF



Jun



“The Floater”



DAY 2, 1800: REAF Assignments

MIST and proper food storage on all

DIV A= Initiate cabin protection measures;
sensitive watershed; owl habitat; weeds

DIV B= Minimize impacts to vegetation in
cultural landscape; sensitive watershed; owl
habitat; weeds

DIV Z= Archeological and Tribal values in
Beaver River watershed to the north; sensitive
watershed; weeds

What questions would/should you anticipate?

DAY 2, 1900: REAF Evening Tasks

- Dinner
- Ready line and camping gear
- Final coordination for tomorrow
- BS-ing
- As much sleep as possible

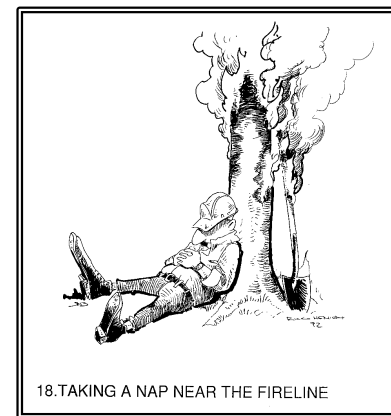


DAY 2, 1900: Cedar's To-Do List

- Additions to IAP...2000 deadline
- Meet up with Food Unit Leader re: bears
- ICP weed issues
- Checklist for tomorrow's briefing
- Consultation/compliance...cultural resources
- Call Rich

DAY 2, 1905: IAP Additions

- Special instructions by Division
 - MIST and proper food storage on all
 - No retardant drops in critical areas
 - DIV A= Initiate cabin protection measures
 - DIV B= Cultural landscape
 - DIV Z= Sensitive cultural sites
- REAF assignments (ICS-215 form)



IAP Additions cont.

Division Assignments (ICS-215)

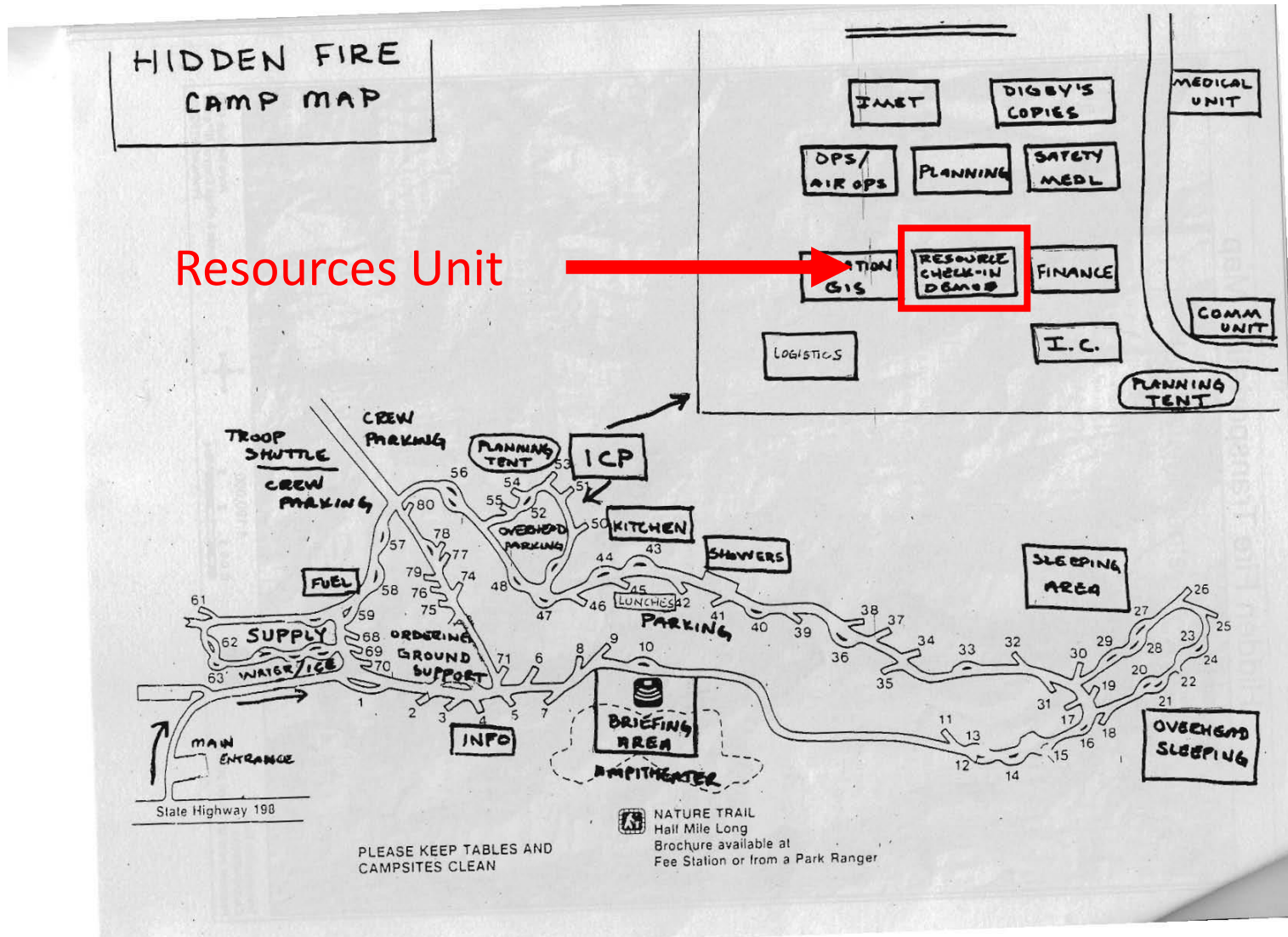
[illegible]

IAP Additions cont.

- READ IAP Message
 - MIST guidelines
 - Bear recommendations



DAY 2, 1950: IAP Additions cont.



DAY 2, 2000: Cedar's To-Do List

- ~~• Additions to IAP...2000 deadline~~
- Meet up with Food Unit Leader re: bears
- ICP weed issues
- Checklist for tomorrow's briefing
- Consultation/compliance...cultural
- Call Rich

DAY 2, 2010: Food Unit Leader

- We need adequate bear boxes for the three spike camps
 - FUDL: Does the park have any, how many, and how big?
- I call contact in park Maintenance...only three and quite small. Better to go through adjacent USFS unit.
- FUDL is already dealing with them. Will place bear box order.

DAY 2, 2030: Cedar's To-Do List

- ~~• Additions to IAP...2000 deadline~~
- ~~• Meet up with FUDL re: bears~~
- ICP weed issues
- Checklist for tomorrow's briefing
- Consultation/compliance...cultural resources
Call Rich

DAY 2, 2030: ICP & Weeds

- Issues:
 - Seed sources at ICP
 - Seeds transported by ordered resources...arriving from across the western United States



Spotted knapweed,
Montana

Yellow
Star Thistle,
E. Oregon



Common
Crupina,
Washington



Euphorbia terracina,
Southern California



Bufflegum,
Arizona



DAY 2, 2040: ICP & Weeds cont.

- Check park Resource Advisor Guide:

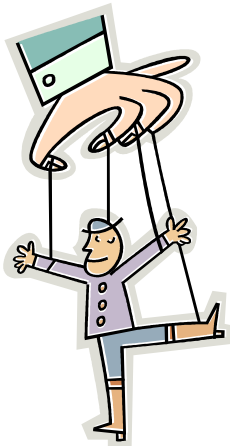
“Before entering the park:

- all equipment should be pressure or steam-washed to remove contaminated soil, seeds or plant propagules.
- boots and personal field equipment should be inspected for contaminated soil, seeds and plant propagules. “



DAY 2, 2050: ICP & Weeds cont.

- Check with Marti, Alison and Tony
 - Vehicle cleaning requirements pretty burdensome (what about park vehicles going to and from ICP everyday?)
 - Recommend all non-local vehicles entering park for the first time be cleaned at park weed wash station



- Announce at morning briefing
- Hand out sketch map of location
- Have Jun set up directional sign

DAY 2, 2115: ICP and Weeds cont.

- What about personnel and equipment being airlifted from helibase?
 - Good “bottleneck” to stop dispersal
 - Tarps for sling loads...could be safety issue. Need to consult with Air Ops.
 - Cleaning station for crews and their personal equipment...tarp, brushes, disposal equipment. Need people to man station.
- Cedar calls park Invasives Specialist. Two or three Bio Techs could help...will call in morning to inform about availability and interest.

DAY 2, 2130: Cedar's To-Do List

- ~~• Additions to IAP...2000 deadline~~
- ~~• Meet up with FUDL re: bears~~
- ~~• ICP weed issues~~
- Checklist for tomorrow's morning briefing
- Consultation/compliance...cultural resources
- Call Rich

DAY 2, 2145: Morning Briefing Checklist

- Introduce myself...point out that REAFs are experts on resource issues. They are here to help.
- Big issues:
 - Limiting the spread of weed seed
 - Bears
 - Cabin on DIV A
 - This is a park...all resources protected by law
- IAP Attachments
 - Park's MIST Guidelines
 - Recommendations for dealing with bears

DAY 2, 2150: Call Rich

- He wants to know a lot of stuff
 - Give me a size up of the fire!
 - Are there post-fire threats to life and property?
 - What are the values at risk?
 - What is the Incident Management organization?
 - What type of REAF/READ resources do you have on the fire?

DAY 2, 2300: Cedar's To-Do List

- ~~• Additions to IAP...2000 deadline~~
- ~~• Meet up with FUDL re. bears~~
- ~~• ICP weed issues~~
- ~~• Checklist for tomorrow's briefing~~
 - Consultation/compliance...cultural resources
- ~~• Call Rich~~

DAY 2, 2305: Tomorrow's To-Do List

- Bear boxes
- Weed people
- Consultation/compliance



DAY 2, 2315: Unit Log (ICS-214)

1. Incident Name Grouse Fire		2. Operational Period (Date/Time) From: 0700 (XX/XX) To: 2400 (XX/XX)		INDIVIDUAL LOG ICS 214a-OS	
3. Individual Name Cedar Drake		4. ICS Section Planning		5. Assignment/Location Overhead READ-ICP	
6. Activity Log					Page 1 of 1
Time	Major Events				
0700	Departed duty station				
1000	Arrived at Incident; briefed with READ				
1200	Attended Operations planning meeting				
1600	Attended Planning meeting				
1700	Briefed incoming READs, prepared IAP documentation, planned for next operational shift				
7. Prepared by: Cedar Drake		Date/Time XX/XX/XXXX 2400			
INDIVIDUAL LOG		June 2000		ICS 214a-OS	

[illegible]

- 261-101





DAY 3, 0500: WAY Too Early

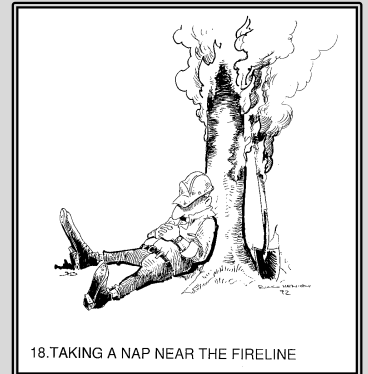
- Drag carcass out of bed and get dressed
- Get to Operations trailer for pre-operational briefing at 0515
- At 0545 meet up with AREP to discuss today's plan
- Review notes for 0600 morning briefing

DAY 3, 0600: Morning Briefing



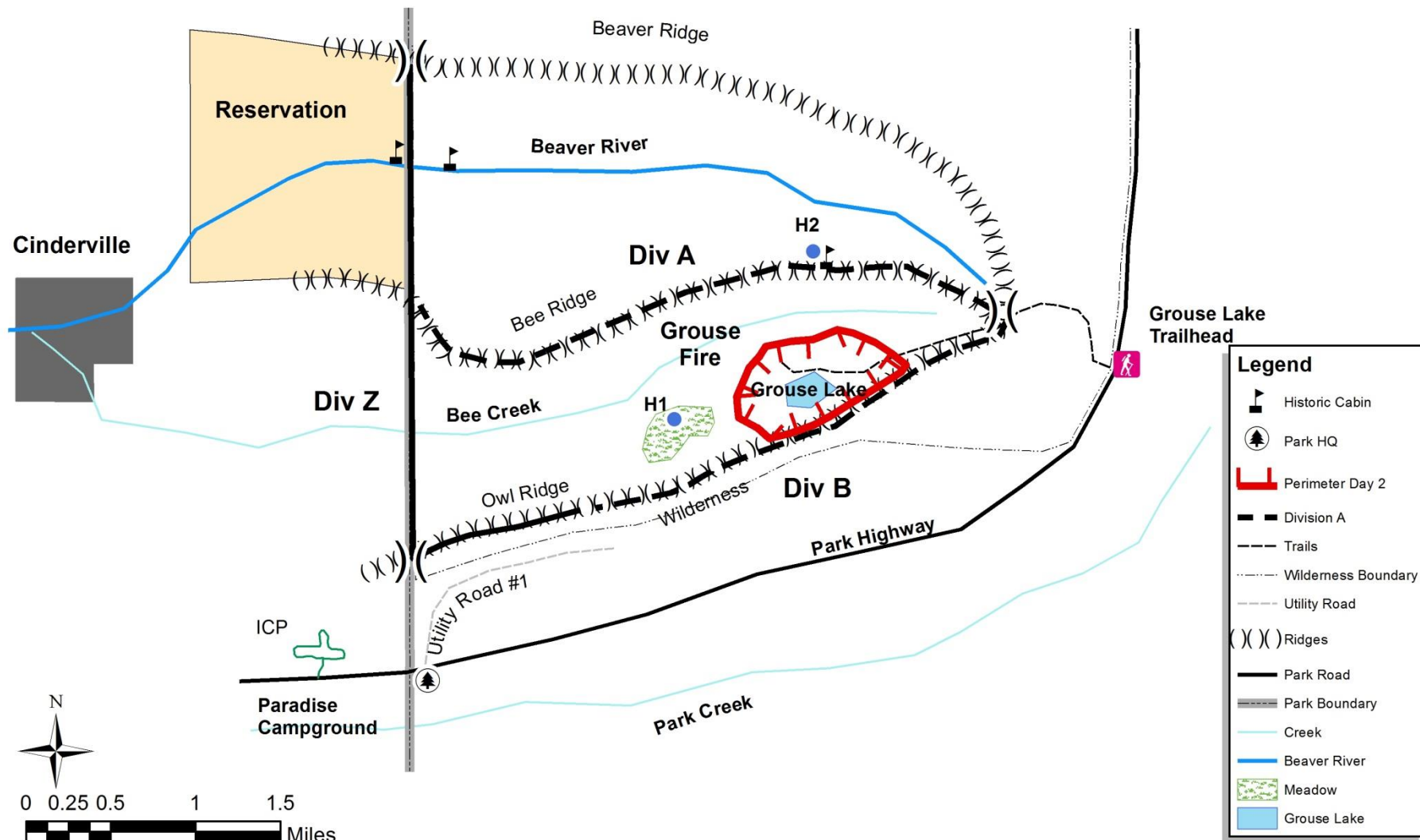
Operational Briefings

- Present the daily IAP and assignments to supervisors for the next operational period
- Attended by Command and General Staff, Branch Directors, Division Supervisors, Task Force/Strike Team Leaders, AREP, READs
- Facilitated by the Planning Section Chief, set schedule, READ message toward the end
- Intimidating...remember **BRIEF**-ing





Grouse Fire Situation: Day 2, 1600



DAY 3, 0645: Morning Briefing

- Issues:
 - DIV A= Cabin protection kit is in place. Echo, Sandee and Jun will be there to assist.
 - DIV B= Tony and Alison will be at the park wash station...directions in DIV breakout; provide guidance for vegetation thinning in the cultural landscape
 - DIV Z= Joe and Jack will be present on the fireline
- IAP attachments, park resources protected
- “Fun Fact” of the Day



DAY 3, 0700: Division Break-Out



DAY 3, 0700: Division Break-Out

- Assigned REAFs attach to respective Divisions
 - Jun floats among Divisions as needed
- Directions to park weed wash station provided to DIVS for DIV B
 - REAFs or THSPs will meet vehicles there

DAY 3, 0730: Lead READ Tasks

- To-Do's
 - Bear Boxes
 - Weed stuff...speak to Air Ops, waiting for call
 - Consultation/compliance issues



DAY 3, 0745: Bear Boxes

- Speak to FUDL...bear boxes have arrived and are at helibase.
- Check them out...several issues
 - Actually tool boxes...will they work?
 - Confusing to lock...not all have instructions
- Call Bear Management Specialist at park; need to have her take a look...please bring digital images of bear damage



Spike Camp Food Storage and Sanitation



DAY 3, 0745: Bear Boxes cont.

- Problem: Bear boxes that are tough to use won't be used
- Call Marti...have her come down to helispot.
- Task her with making locking instruction sheets that can be affixed to outer lid of boxes...include images of bear damage



DAY 3, 0830: REAFs Head Out

- REAFs depart for the fireline...DIV Z REAFs drive up with crews. DIV B REAFs already headed up to park wash station.
- DIV A REAFs and Jun fly out of helibase with crews...cabin protection kit was dropped at cabin yesterday evening.



Cabin Protection Kit

CABIN PROTECTION KIT

Box # 1

Mark Three bag w/ inventory list

100' ½" nylon rope

200' nylon cord

absorbent pad

2 staple hammers

2 staple guns

8 boxes staples (match hammer/gun)

1 hammer

25' tape measure

2 1 ½" gated wyes

wrecking bar

total box wt. 80 lbs.

Box # 2

5 1 ½"-1" reducers

8 1"- ¾" reducers

2 1" caps

1 2"-1 ½" reducers

2 1 ½" gated wyes

4 1" gated wyes

4 ¾" gated wyes

6 2" stands w/ inline T

4 1 ½" inline T

2 1" inline T

4 ¾" valve shutoffs

1 1 ½" foot valve

1 2" foot valve

1 forester nozzle

1 1 ½" lexxon nozzle

1 1" lexxon nozzle

3 25'-50' 1 ½" hose

1 roll masking tape

2 rolls duct tape

total box wt. 75 lbs.

Box # 3

1500' ¾" hose, synthetic

4 ¾" low roof sprinklers

6 1 ½" inline ground sprinklers

6 2"X 1 ½" inline ground sprinklers

3 extra sprinkler heads

1 crescent wrench

1 lb. 16d duplex nails

1 lb. 5d duplex nails

total box wt. 80 lbs.

Misc. loose items:

2 400' quicklay packs of 1 ½" hose

1 600' quicklay pack of 1 ½" hose

2 Mark Three pumps

2 Mark Three fuel cans 20:1 mix w/
fuel lines

4 Gerry cans 20:1 mix w\ nozzle

1 folding ladder

1 1 ½" suction hose

1 2" suction hose

1 Climbing harness

Rolls of shelter wrap- as needed per site

¹Source: ClevelandLaminatingCorp

2909 East 79th St.

Cleveland OH

216-883-8484

888-883-8484

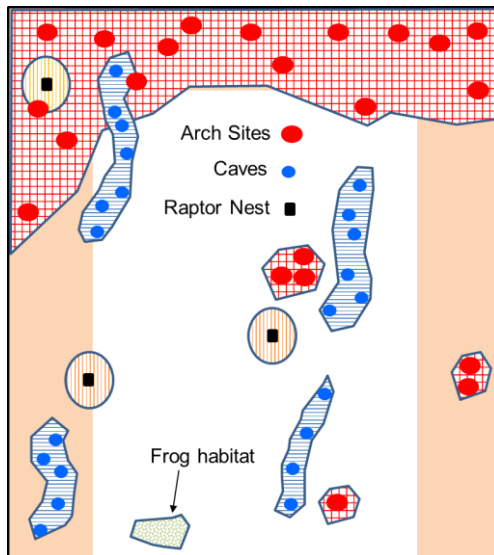
FAX 216-883-4251

www.clevelandlam.com



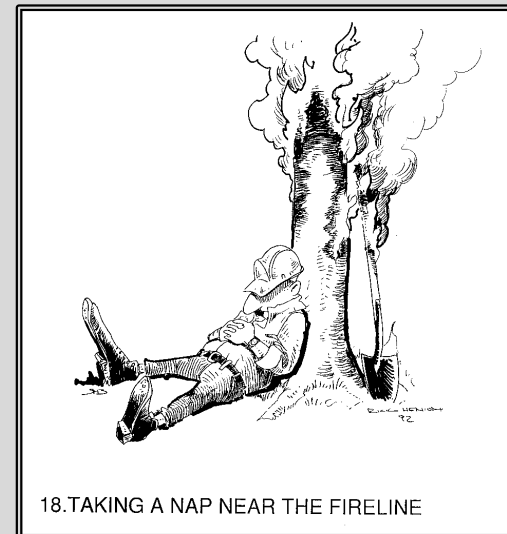
DAY 3, 0830: REAFs To Do List

- Meet line personnel
- Walk line. Is it what we expected?
- Document existing impacts
- Implement IAP



Being an Effective REAF

- Let the job come to you
- Know the issues and the potential solutions
- Know what is negotiable (and what is not)
- Lend a helping hand
- Document



18. TAKING A NAP NEAR THE FIRELINE

DAY 3, 0830: Lead READ Tasks

- Call from Marti...bear tech says boxes are good to go. Inform FDUL, tell DIV A and B REAFs about instructions
- To-Do's:
 - ~~– Bear boxes~~
 - Weed stuff
 - Consultation/compliance issues

DAY 3, 0845: Weeds

- Talk with Air Ops...says tarp would be acceptable for sling loads. Will speak to helibase manager about setting up.
- Park Invasives Specialist calls...three people available beginning this morning. None have red cards, none are in IROC
- Get names and contact info. Place order through Ordering. Have them come down to the ICP and tie in with me

General Message: ICS-213 form

GENERAL MESSAGE		
TO: Resource Ordering	POSITION:	
FROM: Nelson Siefkin	POSITION: READ	
SUBJECT: Name Request Orders for THSP	DATE: XX/XX/XXXX	TIME: 0900
MESSAGE:		
<p>Please order the following individuals as THSP's:</p> <ol style="list-style-type: none">1. Jane Doe (NPS) start XX/XX/XXXX at 10002. John Doe (NPS) start XX/XX/XXXX at 10003. Joe Doe (NPS) start XX/XX/XXXX at 1000 <p>None of these individuals are in ROSS. All work for the park and can be contacted through park dispatch (XXX.XXX.XXXX).</p> <p>Please feel free to contact me if you have any questions (510.507.7357)</p>		
SIGNATURE: /S/ Nelson Siefkin	POSITION: READ	
REPLY:		
DATE:	TIME:	SIGNATURE/POSITION:

Crews staging at helibase



DAY 3, 1000

Tarp for sling loads



Preventing Weed Seed Dispersal on Cargo





DAY 3, 1005: Lead READ Tasks

- To-Do's:
 - ~~Bear boxes~~
 - ~~Weed stuff~~
 - Consultation/compliance issues



Consultation/Compliance

Federal laws and policies protecting natural and cultural resources still apply during wildfire response.


All READs need to work diligently to take all efforts to prevent impacts to sensitive resources.

However....

sometimes it's unavoidable that stuff gets broken

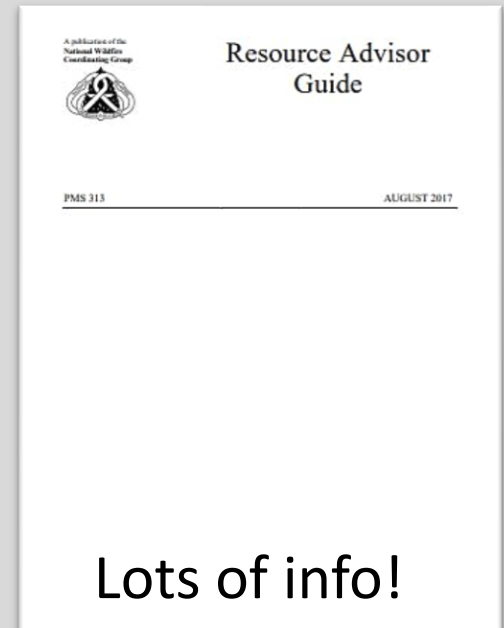
Consultation/Compliance

READ Response:

1. Secure/stabilize the site: Prevent additional damage
2. Document the impact
3. Communicate the impact to:
 - IMT: to prevent additional damage to the site or reoccurring damage elsewhere on the fire
 - Agency Administrator/ Agency Representative
 -  • **Local Resource Specialist:** notification to appropriate officials
 - NHPA = SHPO/THPO
 - ESA = USFWS
 - Etc.

Consultation/Compliance

- Section 106 of the National Historic Preservation Act
- Archeological Resources Protection Act
- Native American Graves Protection and Repatriation Act
- Section 7 of the Endangered Species Act
- Clean Air Act
- Clean Water Act
- Migratory Bird Treaty Act
- Wilderness Act
- Wild and Scenic Rivers Act
- And many many more



Endangered Species Act: Section 7

- Emergency ***consultation*** required for all T&E species; ***conference*** for proposed species; ***none*** for candidate species (agency may require)



Consultation is required for suppression actions....not fire effects

Section 106: National Historic Preservation Act

Authority for emergency situations found in 800.12...respond to immediate threats to life and property

- Programmatic approach encouraged
- Contact applicable State/Tribal Historic Preservation Officers (SHPO/THPO) & other interested parties ASAP; seven days to comment
- Applies only to undertakings implemented within 30 days of emergency declaration

Phone Log for Cultural Resource Impact Associated with Fire Suppression

July 10, 2004

Cedar Drake

Lead Resource Advisor: Grouse Fire

Wayne Johnson

Big Fire National Park Archeologist

912.212.2121

I am writing to inform you of suppression related impact to archeological site CA-SHA-2004. Impact was sustained to the surface site during active fire suppression activities on the evening of July 8, 2004. A bulldozer constructing fireline in the area, inadvertently tracked over the location and deposited approximately 2 ft. of side cast material onto the site. Incident resource advisors have documented the site through notes and photos. The impacted area has been flagged off to prevent future disturbance and operational fire personnel managing the area have been informed to avoid any future activities which may further destabilize the site. Photos, read observations, and a hand drawn sketch of the area are attached to this message.

If needed, a field visit to the disturbed site can be arranged once conditions are safe to enter the area.

Please feel free to contact me with any additional questions.

Cedar Drake

Grouse Fire Lead Resource Advisor

360.123.456.7890

Installing Fish Screens on Pumps



Wilderness Wildfire Guidelines

Role of Wildfire

Recognize that, in fire dependent wilderness ecosystems, fire is necessary in order to preserve the natural conditions of wilderness as mandated by law and agency policy.

To the extent possible, allow fire to play its natural role in the ecological processes of wilderness.

Wildfire Management Activities

Minimize the unnatural effects of fire suppression activities in wilderness.

Conduct all fire management activities within wilderness in a manner compatible with overall wilderness management objectives. Give preference to using methods and equipment that cause the least:

- Degradation of wilderness character

- Alteration to the wilderness landscape

- Disturbance of the land surface or degradation of habitat or water quality

- Disturbance to visitor solitude

- Need for subsequent restoration or mitigation

- Complete Minimum Requirements Analysis'

Wildfire Retardant Use (Pre-Season Planning)

- Is retardant allowed?

- If used, what are the criteria (type, color, etc.) for use?

- Will temporary retardant dip sites be allowed?

Wildfire Suppression Tactics (Both Pre-Season Planning and during the incident)

- Minimum Impact Strategy and Tactics (MIST, see Appendix J)

- Others



Resource Advisor
Guide

PMS 313

AUGUST 2017

Sample Process and Guidelines for use of Heavy Equipment (dozers, tractors, etc.) in Fire Emergency Situations in National Forest Wilderness Areas

Note – The process and guidelines presented below do not represent new or existing Forest Service policy except where indicated.

Dozer Approval Authority

Only the Regional Forester may approve dozer use in Wilderness (FSM 2326.04c).

Information Needed for Approval

For dozer use requests, please provide the Regional Office with the following information needed to make an informed decision:

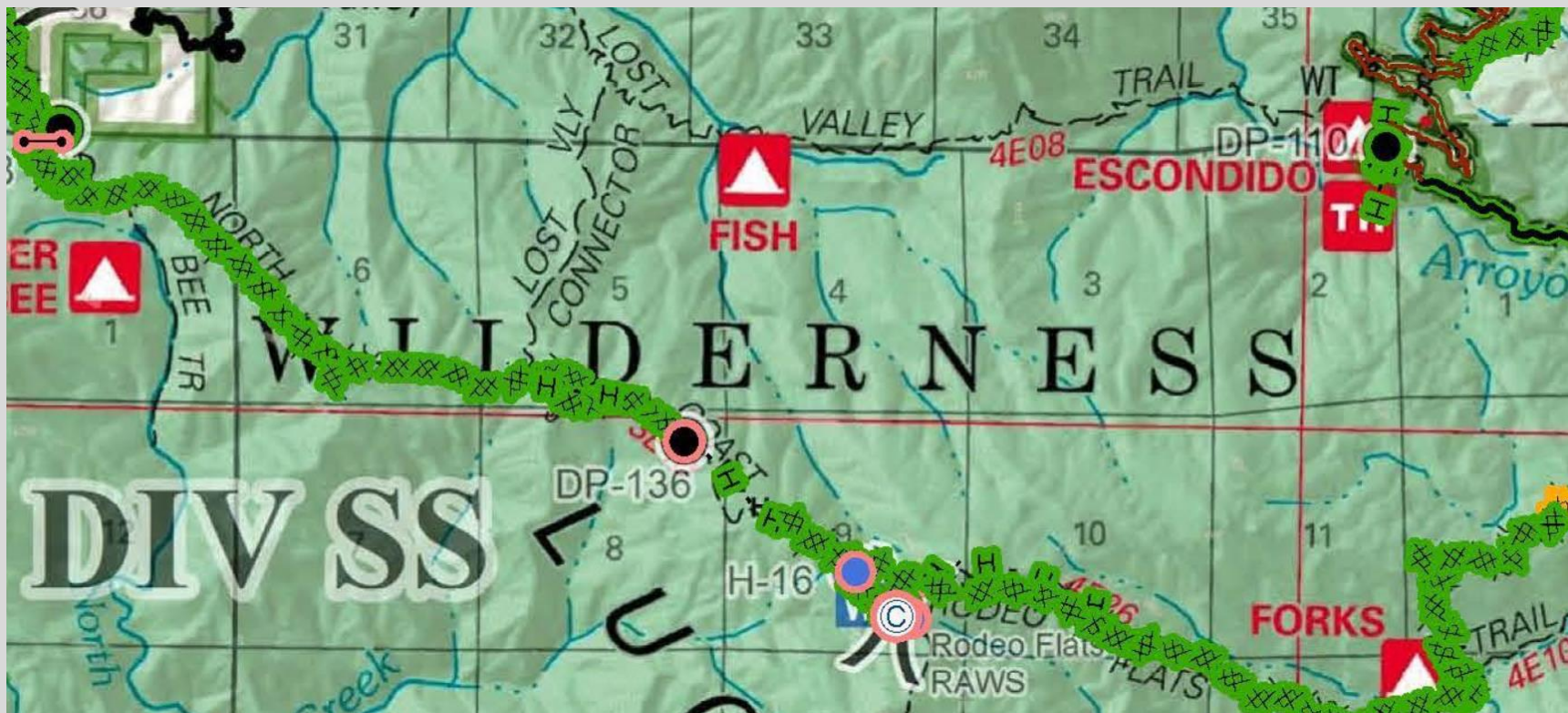
1) Why is the use of a dozer in wilderness the minimum requirement to achieve fire management objectives? (See the Motorized Equipment Need and Approval Form at:

<http://www.wilderness.net/index.cfm?fuse=toolboxes&sec=fire2>)

- ☐ Describe alternative tactics considered and why they are not feasible.
- ☐ Explain why the bulldozer line is necessary in wilderness and why a line cannot be placed outside of wilderness.



Soberanes Fire



Wilderness “Minimum Requirement Analysis”

- Exceptions can be made to the Wilderness Act (e.g., use of motorized equipment) for the administration of an area as wilderness...includes fire management
- Minimum tool or requirement concept
- Incorporate as part of compliance documentation for Fire Management Plan

Document, Document, Document

Appendix D

Wilderness Minimum Requirement Analysis for the 2005 Fire Management Plan for Death Valley National Park

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ARTHUR CARHART NATIONAL WILDERNESS TRAINING CENTER

MINIMUM REQUIREMENTS DECISION GUIDE WORKSHEETS

Please refer to the accompanying MRDG [instructions](#) for filling out this guide. The spaces in the worksheets will expand as necessary as you enter your response.

Step 1: Determine if any administrative action is necessary.

Description: Briefly describe the situation that may prompt action.

To determine if administrative action is necessary, answer the questions listed in A - F on the following pages.

A. Describe Valid Existing Rights or Special Provisions of Wilderness Legislation

Are there valid existing rights or is there a special provision in wilderness legislation (the Wilderness Act of 1964 or subsequent wilderness laws) that allows consideration of action involving Section 4(c) uses? Cite law and section.

Yes: ☐ No: ☐ Not Applicable: ☐

Explain:

B. Describe Requirements of Other Legislation

Do other laws require action?

Yes: ☐ No: ☐ Not Applicable: ☐

Explain:

C. Describe Other Guidance

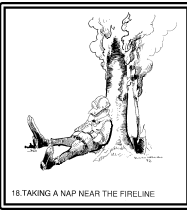
Does taking action conform to and implement relevant standards and guidelines and direction contained in agency policy, unit and wilderness management plans, species recovery plans, tribal government agreements, state and local government and interagency agreements?

Yes: ☐ No: ☐ Not Applicable: ☐

DAY 3, 1200: Meet with Kent and Marti

- Marti says weed cleaning station at helibase is working well...crews are being very cooperative
- Need to start scoping short and long-term resource impacts...Kent will create a spatial database to document sites which may have been impacted and need to be checked
- e.g., Weeds
 - Locations to be surveyed and/or treated for weeds— ICP, park wash station, sampling points between ICP and park

Tracking Bodies



Name	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9
Jun K.	X	X	X						
Echo D.	X	X	X						
Cedar D.	--	Travel	X						
Marti W.	--	Travel	X						
Jack O.	--	Travel	X						
Joe S.	--	Travel	X						
Sandee D.	--	Travel	X						
Alison F.	--	Travel	X						
Tony C.	--	Travel	X						
Kent VW.	--	Travel	X						

DAY 3, 1400: Tomorrow's Tactics

- As anticipated, there are problems with slop-overs in NW corner of DIV A...retardant drops aren't holding well
- OSCs inquire about backing off to northern boundary of Beaver River watershed
- AREP calls the Line officer...he is adamant that Beaver River watershed should remain unburned if at all possible

DAY 3, 1430: Jun Calls

“What’s the deal with all of the retardant?”



DAY 3, 1500: Tomorrow's Tactics

- OSC returns from overflight...retardant drop has landed midslope on the southern aspect of Bee Creek watershed, just east of park boundary...it is windy, hot and very smoky.
- Cedar reluctantly contacts the park Aquatic Biologist...he's very displeased..."I'll be down there in 15 minutes."

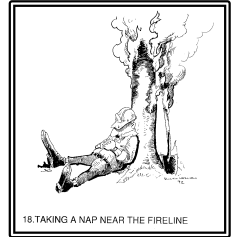
DAY 3, 1515: Damage Control

- “How could that happen?”
- “It’s very complex operationally; more drops mean more chances for mistakes...”



DAY 3, 1515: Damage Control cont.

- “What are you going to do about it?”
- “Nothing we can do right now.”
 - Need to file report of retardant drop on the USFS website
 - Fire suppression account can be used to perform post-fire monitoring...prepare a proposal and budget



DAY 3, 1530: Update from Jun

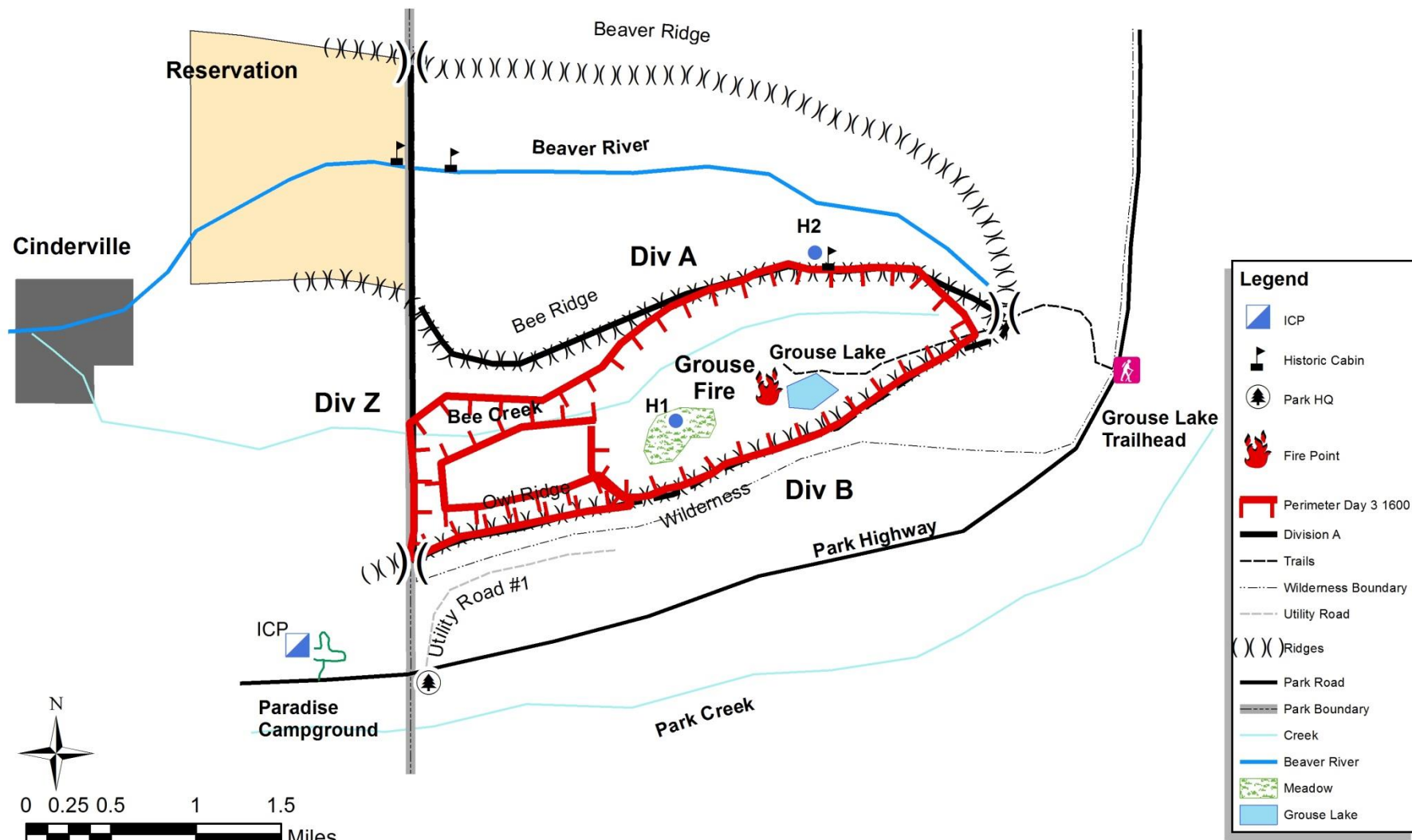
- He is on DIV A...things are going well
- Cabin is protected; bear boxes in place
- He saw drop into Bee Creek
- Any issues that need to be addressed before, during planning meeting?
 - No. He will be checking in with other REAFs at 1800; will call me back at 1900

DAY 3, 1600: Planning Meeting





Grouse Fire Situation: Day 3, 1600



0 0.25 0.5 1 1.5
Miles

DAY 3, 1650: Planning Meeting: READ Input

- By all indications, things are going well on the fireline
- Cabin on DIV A is protected, bear boxes are in place
- Additional updates will come in at 1900
- “We support the plan”

DAY 3, 1700: Lead READ Tasks

- IAP additions due at 2000
- Talk to Jun at 1900
- Prepare bear posters
- Call Rich
- Have Marti and Kent prepare REAF “Care Packages”
- Morning briefing checklist
- Unit log
- Time

DAY 3, 1900: Jun calls back

- Div A: Crews did excellent job wrapping cabin. Some “bone piles”...will have crews disperse.
- Div B: Problems with trash and not using bear boxes...DIVS blew off REAFs. Jun will head over there tomorrow. Otherwise going OK.
- Div Z: Observed some sport falling, site furniture, etc. No impacts to arch sites.



Boredom Busting



Fireline Blogs



Fireline Furniture



DAY 3, 1900: Jun calls back CONT.

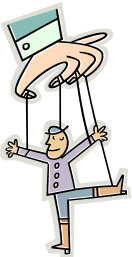
- J: “Do you want us to try to map retardant drops?”
- C: “No. We will try to get information from operations. Otherwise, we can do a fly over after the fire. Tomorrow could get interesting. Let me know if you need anything.”
- J: “Copy. I will give you a call at some point tomorrow. Quick story from Alison and Tony about a shot crew setting up camp in a meadow...”

DAY 3, 1930: IAP Additions

- Double check IAP for REAF division assignments
- Include special instructions by division: Cabin on Div A, MIST and food storage on all
- Ensure MIST guidelines and bear recommendations are in READ IAP insert

DAY 3, 1945: IAP Additions CONT.

- Marti put together a READ IAP message educating about weeds:
 - All personnel leaving ICP for fire should inspect and clean clothing and personal equipment
 - All vehicles assigned to Div B should clean vehicle at park weed wash station upon first entry into park
 - Personnel flying into Div A will first go through a weed cleaning station at helibase
 - Thank you. Your assistance and cooperation are greatly appreciated.

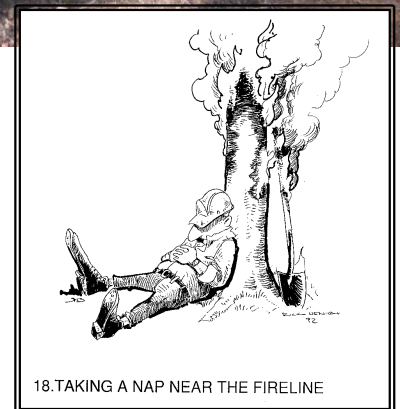


DAY 3, 2000: Overhead READ Tasks

- ~~• IAP additions due at 2000~~
- ~~• Talk to Jun at 1900~~
- Prepare bear posters
- Call Rich
- Have Marti and Kent prepare REAF “Care Packages”
- Ops briefing checklist
- Unit log
- Time

DAY 3, 2030: REAFs in the evening...

- Answering philosophical questions about latrine placement...
- Smokejumpers and REAFs on the fireline-like hanging out with Elvis.
- Help organize food & trash in camp.
- Organize paperwork, data
- Finding that common ground-strong coffee, where you went to school.



18. TAKING A NAP NEAR THE FIRELINE

Criteria for Hazard pay from Incident Business Management Handbook (pg. 10-25)

- This does not include personnel engaged in logistical support, service, and non-suppression activities, e.g., media tours to the fireline, incident personnel driving to the fire to observe activities, drivers delivering tools or personnel (Appendix B - hazard/environmental pay matrix).

- Hazard pay for flying activities is related to the use of the aircraft, not the work of the occupants. If the flight is undertaken under unusual and adverse conditions which threaten or severely limit control of the aircraft, then hazard pay is warranted. Hazard pay is not authorized for situations such as flying passengers from a work center to a location to fix equipment when there are no adverse conditions that threaten or severely limit the aircraft.

[illegible]

Criteria for Hazard pay from Incident Business Management Handbook (pg. 10-26)

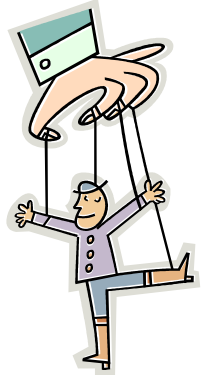
- Groundwork Beneath Hovering Helicopter – Participating in ground operations to attach an external load to a helicopter hovering just overhead.
- Work in rough and remote terrain – Working on cliffs, narrow ledges, or near vertical mountainous slopes where a loss of footing would result in serious injury or death, or when working in areas where there is danger of rock falls or avalanches.

Burned Area Emergency Response (assessment or implementation) does not meet the definition of firefighting for hazard pay eligibility; however, hazard pay criteria listed above may apply.

[illegible]

DAY 3, 2100: Bear Poster

Talk to Public Information Officer about placing a poster of bear damage at the information board...



DAY 3: 2130, Bear Poster cont.

Make smaller versions to send out to fireline



DAY 3, 2200: Ready REAF Care Packages

- GPS units, cameras, batteries; bear posters; IAPs (if available); maps, MIST guidelines, etc.
- Place in small Action Packer clearly labeled READs
- Will go out tomorrow...in person to DIV Z REAFs, hand to DIVS for DIV B REAFs, fly out to DIV A REAFs

DAY 3, 2230: Call Rich

- Still in a holding pattern...if fire stays in Bee Creek, we can handle it. If it goes into Beaver River, we'll need some help.
- Tomorrow is the make or break day....good chance of catching this thing
- We'll probably need help from some hydrology/geology specialists... we're good on every other issue.

DAY 3, 2300: READ Tasks

- IAP additions due at 2000
- Talk to Jun at 1900
- Prepare bear posters
- Call Rich
- Have Marti and Kent prepare READ “Care Packages”
- Ops briefing checklist
- Unit log
- Time

